



PRODUCT SELECTOR GUIDE

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4th
Edition

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BRIDGES - STANDARD

BRIDGES - STANDARD

(T_A=25°C unless otherwise noted)

Part Number	I _{F(AV)}	V _{RRM}	I _{FSM}	V _F	I _R	T _J max.	Package Description
	(A)	(V)	(A)	(V)	(μA)	(°C)	
ABSx	1	200-1000	30	0.95	10	150	ABS
ABS15x	1.5	600-1000	40	0.97-1	5	150	ABS
ABS15LJ	1.5	600	60	0.95	5	150	ABS
D2SBxx	2	50-800	80	1.1	10	150	GBL
DBL10xG	1	50-1000	30-40	1.1	2	150	DBL
DBL15xG	1.5	50-1400	50	1.1-1.25	2	150	DBL
DBL20xG	2	50-1400	50	1-1.15	2	150	DBL
DBLS10xG	1	50-1000	30-40	1.1	2	150	DBLS
DBLS15xG	1.5	50-1400	50	1.1-1.25	2	150	DBLS
DBLS20xG	2	50-1400	50	1-1.15	2	150	DBLS
GBL0x	4	50-1000	150	1	5	150	GBL
GBL20x	2	50-1000	60	1	5	150	GBL
GBLAxx	4	50-1000	120	1	5	150	GBL
GBPC15xx	15	50-1000	300	1.1	5	150	GBPC
GBPC15xxM	15	50-1000	300	1.1	5	150	GBPC-M
GBPC15xxW	15	50-1000	300	1.1	5	150	GBPC-W
GBPC25xx	25	50-1000	300	1.1	5	150	GBPC
GBPC25xxM	25	50-1000	300	1.1	5	150	GBPC-M
GBPC25xxW	25	50-1000	300	1.1	5	150	GBPC-W
GBPC35xx	35	50-1000	400	1.1	5	150	GBPC
GBPC35xxM	35	50-1000	400	1.1	5	150	GBPC-M
GBPC35xxW	35	50-1000	400	1.1	5	150	GBPC-W
GBPC40xx	40	50-1000	400	1.1	10	150	GBPC40
GBPC40xxM	40	50-1000	400	1.1	10	150	GBPC40-M
GBPC50xx	50	50-1000	400	1.1	10	150	GBPC40
GBPC50xxM	50	50-1000	400	1.1	10	150	GBPC40-M
GBU100x	10	50-1000	220	1.1	5	150	GBU
GBU40x	4	50-1000	150	1	5	150	GBU
GBU60x	6	50-1000	175	1	5	150	GBU
GBU80x	8	50-1000	200	1	5	150	GBU
KBL40xG	4	50-1000	150	1.1	10	150	KBL
KBL60xG	6	50-1000	175	1.1	10	150	KBL
KBP10xG	1	50-1000	30	1	10	150	KBP
KBP15xG	1.5	50-1000	50	1	10	150	KBP
KBP20xG	2	50-1000	60	1.2	10	150	KBP
KBP30xG	3	50-1000	80	1.1	10	150	KBP
KBU100xG	10	50-1000	200	1.1	5	150	KBU
KBU40xG	4	50-1000	150	1.1	5	150	KBU
KBU60xG	6	50-1000	175	1	5	150	KBU
KBU80xG	8	50-1000	200	1	5	150	KBU
MBSx	0.8	200-1000	35	1	5	150	MBS
TS10B0xG	10	50-1000	150	1.1	5	150	TS4B
TS10Kxx	10	400-800	150	1	10	150	TS4K
TS10KLxx	10	600-1000	180	1	5	150	KBJL
TS10P0xG	10	50-1000	200	1.1	10	150	TS6P
TS15P0xG	15	50-1000	240	1.1	10	150	TS6P

Part Number	I _{F(AV)}	V _{RRM}	I _{FSM}	V _F	I _R	T _J max.	Package Description
	(A)	(V)	(A)	(V)	(μA)	(°C)	
TS15PL05G*	15	600	200	0.87	5	150	TS6P
TS20P0xG	20	50-1000	250	1.1	10	150	TS6P
TS25P0xG	25	50-1000	350	1.1	10	150	TS6P
TS25PL05G*	25	600	300	0.87	10	150	TS6P
TS35P0xG	35	600-1000	350	1.1	10	150	TS6P
TS40P0xG	40	600-1000	400	1.1	10	150	TS6P
TS4B0xG	4	50-1000	120	1	5	150	TS4B
TS4Kxx	4	400-800	120	1	10	150	TS4K
TS50P0xG	50	600-1000	400	1.1	10	150	TS6P
TS6B0xG	6	50-1000	150	1	5	150	TS4B
TS6Kxx	6	400-800	150	1	5	150	TS4K
TS6KLxx	6	600-1000	150	1.05	5	150	KBJL
TS6P0xG	6	50-1000	150	1.1	10	150	TS6P
TS8P0xG	8	50-1000	200	1.1	10	150	TS6P
UR2KBxx	2	600-1000	62	1.05	10	150	D3K
UR3KBxx	3	600-1000	90	1	10	150	D3K
UR4KBxx	4	600-1000	135	1	10	150	D3K

Note. * - Low Vf Bridge

BRIDGES - FAST (150ns)

(T_A=25°C unless otherwise noted)

Part Number	t _{tr}	I _{F(AV)}	V _{RRM}	I _{FSM}	V _F	I _R	T _J max.	Package Description
	(ns)	(A)	(V)	(A)	(V)	(μA)	(°C)	
RMBxS	150	0.8	200-600	30	1	5	150	MBS

BRIDGES - HIGH EFFICIENT (50...75ns)

DIODES - STANDARD

(T_A=25°C unless otherwise noted)

Part Number	t _{rr}	I _{F(AV)}	V _{RRM}	I _{FSM}	V _F	I _R	T _{j max.}	Package Description
	(ns)	(A)	(V)	(A)	(V)	(μA)	(°C)	
HDBL10xG	75	1	50-1000	50	1-1.7	5	150	DBL
HDBLS10XG	75	1	50-1000	50	1-1.7	5	150	DBLS
TSS4B04G	50	4	400	150	1.3	5	150	TS4B

BRIDGES - SUPER FAST (35ns)

(T_A=25°C unless otherwise noted)

Part Number	t _{rr}	I _{F(AV)}	V _{RRM}	I _{FSM}	V _F	I _R	T _{j max.}	Package Description
	(ns)	(A)	(V)	(A)	(V)	(μA)	(°C)	
EABS1x	35	1	200-600	40	0.95-1.7	1	150	ABS
TSS4B0xG	35	4	50-200	150	0.98	5	150	TS4B

BRIDGES - SCHOTTKY

(T_A=25°C unless otherwise noted)

Part Number	I _{F(AV)}	V _{RRM}	I _{FSM}	V _F	I _R	T _{j max.}	Package Description
	(A)	(V)	(A)	(V)	(μA)	(°C)	
SBS3x	3	40-60	80	0.5-0.8	500	125	ABS

DIACS

(T_A=25°C unless otherwise noted)

Part Number	V _{BO}	+/- V _{BO}	I _{BO}	P _D	I _{FRM}		I _{BO Max.}		I _{R Max.}		Package Description
	(V)	(V)	(mA)	(mW)	(A)	@ Pulse Width (ms)	μA	C _J (pF)	μA	V _R (V)	
SODDB3	36	3	0.100	400	2	0.02	100	22	10	0.5	SOD-123
SODDB3T	34	2	0.015	400	2	0.02	15	22	10	0.5	SOD-123
DB3	36	3	0.100	150	2	0.02	100	22	10	0.5	DO-35
DB3TG	34	2	0.015	150	2	0.02	15	22	10	0.5	DO-35
LLDB3	36	3	0.100	150	2	0.02	100	22	10	0.5	MMELF
LLDB3TG	34	2	0.015	150	2	0.02	15	22	10	0.5	MMELF

(T_A=25°C unless otherwise noted)

Part Number	I _{F(AV)}	V _{RRM}	I _{FSM}	V _F	I _R	T _{j max.}	Package Description
	(A)	(V)	(A)	(V)	(μA)	(°C)	
1N400xS	1	50-1000	30	1.0	5	150	A-405
1N400xSG	1	50-1000	30	1.0	5	150	A-405
AR25x	25	50-1000	400	1.0	5	150	AR
AR35x	35	50-1000	500	1.0	5	150	AR
AR50x	50	50-1000	800	1.1	5	150	AR
ARS25x	25	50-1000	400	1.0	5	150	ARS
ARS35x	35	50-1000	500	1.0	5	150	ARS
ARS50x	50	50-1000	800	1.1	5	150	ARS
GPAS100x	10	50-1000	150	1.1	5	150	D ² -PAK (TO-263)
1N539x	1.5	50-1000	50	1.0	5	150	DO-15
1N539xG	1.5	50-1000	50	1.0	5	150	DO-15
2A0xG	2	50-1000	55	1.0	5	150	DO-15
1N540x	3	50-1000	200	1.0	5	150	DO-201AD
1N5408D	3	2000	160	2.0	50	150	DO-201AD
1N540xG	3	50-1000	125	1.0	5	150	DO-201AD
BY25x	3	200-800	150	1.0	5	150	DO-201AD
1N400x	1	50-1000	30	1.0	5	150	DO-41
1N400xG	1	50-1000	30	1.0	5	150	DO-41
1N539xS	1.5	50-1000	50	1.0	5	150	DO-41
S1xM	1	400-600	20	1.1	1	175	Micro SMA
6Axx	6	50-1000	250	1.0	10	150	R-6
6AxxG	6	50-1000	250	1.0	10	150	R-6
S1x	1	50-1000	30-40	1.1	1	175	SMA (DO-214AC)
S2xA	1.5	50-1000	50	1.1	5	150	SMA (DO-214AC)
S1xB	1	50-1000	30	1.1	5	150	SMB (DO-214AA)
S2x	2	50-1000	50	1.2	1	150	SMB (DO-214AA)
S3xB	3	50-1000	80	1.2	10	150	SMB (DO-214AA)
S3x	3	50-1000	100	1.2	10	150	SMC (DO-214AB)
S4M	4	50-1000	100	1.2	10	150	SMC (DO-214AB)
S5x	5	50-1000	100	1.2	10	150	SMC (DO-214AB)
S8xC	8	400-1000	200	1.0	10	150	SMC (DO-214AB)
S1xLS	1.2	600-1000	50	1.3	5	150	SOD123HE
S1xL	1	50-1000	30	1.1	5	175	Sub SMA
GP100x	10	50-1000	125	1.1	5	150	TO-220AB
GP160x	16	50-1000	150	1.1	10	150	TO-220AB
GPA80x	8	50-1000	150	1.1	5	150	TO-220AC
1Tx	1	50-1000	30	1.0	5	150	TS-1
1TxG	1	50-1000	30	1.1	5	150	TS-1

DIODES - FAST (120...500ns)

DIODES - HIGH EFFICIENT (50...80ns)

(T_A=25°C unless otherwise noted)

Part Number	t _{rr}	I _{F(AV)}	V _{RRM}	I _{FSM}	V _F	I _R	T _{J max.}	Package Description
	(ns)	(A)	(V)	(A)	(V)	(μA)	(°C)	
1N493x	200	1	50-600	30	1.2	5	150	DO-41
1N493xG	200	1	50-600	30	1.2	5	150	DO-41
BA15x	150-250	1	400-1000	30	1.2	5	150	DO-41
BA15xG	150-250	1	400-1000	30	1.2	5	150	DO-41
F1Tx	150-500	1	50-1000	30	1.2	5	150	TS-1
F1TxG	150-500	1	50-1000	30	1.3	5	150	TS-1
FR10x	150-500	1	50-1000	30	1.2	5	150	DO-41
FR10xG	150-500	1	50-1000	30	1.3	5	150	DO-41
FR10xS	150-500	1	50-1000	30	1.2	5	150	A-405
FR10xSG	150-500	1	50-1000	30	1.3	5	150	A-405
FR15x	150-500	1.5	50-1000	50	1.2	5	150	DO-15
FR15xG	150-500	1.5	50-1000	50	1.3	5	150	DO-15
FR15xS	150-500	1.5	50-1000	50	1.2	5	150	DO-41
FR20x	150-500	2	50-1000	60	1.2	5	150	DO-15
FR20xG	150-500	2	50-1000	55	1.3	5	150	DO-15
FR30x	150-500	3	50-1000	150	1.2	5	150	DO-201AD
FR30xG	150-500	3	50-1000	125	1.3	5	150	DO-201AD
RS1x	150-500	1	50-1000	30	1.3	5	150	SMA (DO-214AC)
RS1xL	150-500	0.8	50-1000	30	1.3	5	150	Sub SMA
RS1xLS	300	1.2	600-1000	50	1.3	5	150	SOD123HE
RS2x	150-500	2	50-1000	50	1.3	5	150	SMB (DO-214AA)
RS2xA	150-500	1.5	50-1000	50	1.3	5	150	SMA (DO-214AC)
RS3x	150-500	3	50-1000	100	1.3	10	150	SMC (DO-214AB)
RSFxL	150-500	0.5	50-1000	30	1.3	5	150	Sub SMA
TPAR3x*	120	3	200-1000	60	1.2-1.85	1	175	SMPC (TO-277A)

Note. * - Q4/2014

(T_A=25°C unless otherwise noted)

Part Number	t _{rr}	I _{F(AV)}	V _{RRM}	I _{FSM}	V _F	I _R	T _{J max.}	Package Description
	(ns)	(A)	(V)	(A)	(V)	(μA)	(°C)	
BYG20x	75	1.5	200-600	30	1.3	1	150	SMA (DO-214AC)
BYG23M	75	1	1000	30	1.7	5	150	SMA (DO-214AC)
HER100xG	50-80	10	50-1000	125	1-1.7	10	150	TO-220AB
HER10x	75	1	50-1000	30	1-1.7	5	150	DO-41
HER10xG	75	1	50-1000	30	1-1.7	5	150	DO-41
HER10xS	75	1	50-1000	30	1-1.7	5	150	A-405
HER10xSG	75	1	50-1000	30	1-1.7	5	150	A-405
HER15x	75	1.5	50-1000	50	1-1.7	5	150	DO-15
HER15xG	75	1.5	50-1000	50	1-1.7	5	150	DO-15
HER160xG	80	16	50-1000	125	1-1.7	10	150	TO-220AB
HER160xPT	80	16	50-1000	200	1-1.7	10	150	TO-3P
HER20x	75	2	50-800	60	1-1.7	5	150	DO-15
HER20xG	75	2	50-1000	60	1-1.7	5	150	DO-15
HER300xPT	50-80	30	50-600	300	1-1.7	10	150	TO-3P
HER307	75	3	50-800	150	1-1.7	10	150	DO-201AD
HER308G	75	3	50-1000	125	1-1.7	10	150	DO-201AD
HER60xG	50-75	6	50-600	150	1-1.7	10	150	R-6
HERA80xG	50-80	8	50-1000	150	1-1.7	10	150	TO-220AC
HERAF100xG	50-80	10	50-1000	150	1-1.7	10	150	ITO-220AC
HERAF160xG	50-80	16	50-600	250	1-1.7	10	150	ITO-220AC
HERAF80xG	50-80	8	50-1000	150	1-1.7	10	150	ITO-220AC
HERF100xG	50-80	10	50-1000	125	1-1.7	10	150	ITO-220AB
HERF160xG	50-80	16	50-1000	125	1-1.7	10	150	ITO-220AB
HS1x	75	1	50-1000	30	1-1.7	5	150	SMA (DO-214AC)
HS1xL	75	1	50-1000	30	1-1.7	5	150	Sub SMA
HS2x	50-75	2	50-1000	50	1-1.7	5	150	SMB (DO-214AA)
HS2xA	50-75	1.5	50-1000	50	1-1.7	5	150	SMA (DO-214AC)
HS3x	50-75	3	50-1000	150	1-1.7	10	150	SMC (DO-214AB)
HS3xB	50-75	3	50-1000	100	1-1.7	10	150	SMB (DO-214AA)
HS5x	50-75	5	50-1000	150	1-1.7	10	150	SMC (DO-214AB)
HT1x	50-75	1	50-1000	30	1-1.7	5	150	TS-1
HT1xG	50-75	1	50-1000	30	1-1.7	5	150	TS-1
MUR16x0CT	50	16	400-600	100	1.3-1.5	10	175	TO-220AB
MUR1xxS	50	1	400-600	35	1.25	5	175	SMB (DO-214AA)
MUR1xx	50-75	1	600-900	35	1.25-1.7	5	175	DO-15
MUR1xxA	50-75	1	600-900	35	1.25-1.7	5	175	DO-41
MUR3xxS	50	3	400-600	75	1.25	10	175	SMC (DO-214AB)
MUR4xx	50	4	400-600	125	1.28	10	150	DO-201AD
MUR4xxS	50	4	400-600	75	1.25	10	175	SMC (DO-214AB)
MUR8xx	50	8	400-600	100	1.3-1.7	5	175	TO-220AC
MURF16xxCT	50	16	400-600	100	1.3-1.5	10	150	ITO-220AB
SF3008PT	50	30	600	300	1.7	10	150	TO-3P
TPAU3x*	75	3	200-1000	50	1.5-2.2	1	175	SMPC (TO-277A)
UF1x	75	1	50-1000	30	1-1.7	10	150	DO-41
UF400x	75	1	50-1000	30	1-1.7	5	150	DO-41
US1x	75	1	50-1000	30	1-1.7	5	150	SMA (DO-214AC)

Note. * - Q4/2014

DIODES - SUPER FAST (35...40ns)

DIODES - ULTRA FAST (15...30ns)

(T_A=25°C unless otherwise noted)

Part Number	t _{rr}	I _{F(AV)}	V _{RRM}	I _{FSM}	V _F	I _R	T _J max.	Package Description
	(ns)	(A)	(V)	(A)	(V)	(μA)	(°C)	
31DFx	35	3	400-600	45	1.7	20	150	DO-201AD
ES1x	35	1	50-600	30	0.95-1.7	5	150	SMA (DO-214AC)
ES1xL	35	1	50-600	30	0.95-1.7	5	150	Sub SMA
ES2x	35	2	50-600	50	0.95-1.7	10	150	SMB (DO-214AA)
ES2xA	35	2	50-600	50	0.95-1.7	10	150	SMA (DO-214AC)
ES3x	35	3	50-600	100	0.95-1.7	10	150	SMC (DO-214AB)
SF100xG	35	10	50-600	125	0.975-1.7	10	150	TO-220AB
SF1x	35	1	50-600	30	0.95-1.7	5	150	DO-41
SF1xG	35	1	50-600	30	0.95-1.7	5	150	DO-41
SF1xS	35	1	50-600	30	0.95-1.7	5	150	A-405
SF1xSG	35	1	50-600	30	0.95-1.7	5	150	A-405
SF160xG	35	16	50-600	125	0.975-1.7	10	150	TO-220AB
SF160xPT	35	16	50-600	150	0.95-1.7	10	150	TO-3P
SF200xG	35	20	50-600	150	0.975-1.7	5	150	TO-220AB
SF200xPT	35	20	50-600	280	0.95-1.7	10	150	TO-3P
SF2x	35	2	50-600	50	0.95-1.7	5	150	DO-15
SF2xG	35	2	50-600	50	0.95-1.7	5	150	DO-15
SF300xPT	35	30	50-600	300	0.95-1.7	10	150	TO-3P
SF3x	35	3	50-600	125	0.95-1.7	5	150	DO-201AD
SF3xG	35	3	50-600	125	0.95-1.7	5	150	DO-201AD
SF4xG	35	4	50-600	125	1-1.7	5	150	DO-201AD
SF6xG	35	6	50-600	150	0.975-1.7	5	150	DO-201AD
SF80xG	35	8	50-600	125	0.975-1.7	10	150	TO-220AB
SFA100xG	35	10	50-600	125	0.975-1.7	10	150	TO-220AC
SFA80xG	35	8	50-600	125	0.95-1.7	10	150	TO-220AC
SFAF100xG	35	10	50-600	150	0.975-1.7	10	150	ITO-220AC
SFAF160xG	35	16	50-600	200	0.975-1.7	10	150	ITO-220AC
SFAF200xG	35	20	50-600	200	0.975-1.7	10	150	ITO-220AC
SFAF50xG	35	5	50-600	125	0.975-1.7	10	150	ITO-220AC
SFAS1008G	35	10	600	125	1.7	10	150	D ² -Pak (TO-263)
SFAS80xG	35	8	50-600	125	0.95-1.7	10	150	D ² -Pak (TO-263)
SFF100xG	35	10	50-600	125	0.975-1.7	10	150	ITO-220AB
SFF100xGA	35	10	50-600	125	0.975-1.7	10	150	ITO-220AB
SFF160xG	35	16	50-600	125	0.975-1.7	10	150	ITO-220AB
SFF200xG	35	20	50-600	150	0.975-1.7	10	150	ITO-220AB
SFF200xGA	35	20	50-600	150	0.975-1.7	10	150	ITO-220AB
SFF50xG	35	5	50-600	70	0.98-1.7	10	150	ITO-220AB
SFS100xG	35	10	50-600	125	0.975-1.7	1	150	D ² -Pak (TO-263)
SFS160xG	35	16	50-600	125	0.975-1.7	10	150	D ² -Pak (TO-263)
SFT1xG	35	1	50-600	30	0.95-1.7	5	150	TS-1
TPMR10x*	35	10	200-400	150	0.95-1.2	10	175	SMPC (TO-277A)
UG2JA	40	2	600	40	1.3	2	150	SMA (DO-214AC)
UG6005PT	35	60	300	300	1.25	5	175	TO-3P
UGA8120	35	8	1200	80	2.8	5	175	TO-220AC

Note. * - Q4/2014

(T_A=25°C unless otherwise noted)

Part Number	t _{rr}	I _{F(AV)}	V _{RRM}	I _{FSM}	V _F	I _R	T _J max.	Package Description
	(ns)	(A)	(V)	(A)	(V)	(μA)	(°C)	
ESH1x	15	1	100-200	30	0.95	1	175	SMA (DO-214AC)
ESH1xM	25	1	200-600	15	1.25	1	150	Micro SMA
ESH2x	25	2	100-200	60	0.93	2	175	SMB (DO-214AA)
ESH2xA	25	1	100-200	50	0.9	1	175	SMA (DO-214AC)
ESH3x	25	3	100-200	125	0.9	5	175	SMC (DO-214AB)
MUR1xxS	25	1	50-200	40	0.875	2	175	SMB (DO-214AA)
MUR1620CT	25	16	200	100	0.975	5	175	TO-220AB
MUR3xxS	25	3	50-200	75	0.875	5	175	SMC (DO-214AB)
MUR420	25	4	200	125	0.89	5	150	DO-201AD
MUR420S	25	4	200	75	0.875	5	175	SMC (DO-214AB)
MUR820	25	8	200	100	0.975	5	175	TO-220AC
MURF1620CT	25	16	200	100	0.975	5	150	ITO-220AB
TPUH6x*	25	6	400-600	80	3	1	175	SMPC (TO-277A)
UG06x	15	0.6	50-200	40	0.95	5	150	TS-1
UG10x	25	10	400-600	90	1.12-2	10-30	150	TO-220AC
UG12J	20	12	600	135	2	5	150	TO-220AC
UG2004PT	25	20	200	200	0.93	200	175	TO-3P
UG2D	15	2	200	80	0.95	5	150	DO-15
UG58G	20	5	600	65	2.1	20	150	DO-201AD
UG5J	20	5	600	65	3	30	150	TO-220AC
UG8J	25	8	600	65	2.9	30	150	TO-220AC
UGF100xG	25	10	200-600	70	1.7	10	150-175	ITO-220AB
UGF100xGA	25	10	200-600	70	1.7	10	150-175	ITO-220AB
UGF10x	25	10	400-600	90	1.25-2	30	150-175	ITO-220AC
UGF12J	20	12	600	135	2	5	150	ITO-220AC
UGF1606G	25	16	400	90	1.25	10	175	ITO-220AB
UGF200xG	25	20	200-600	150	0.95-1.7	5	150-175	ITO-220AB
UGF5J	25	5	600	65	2.1	30	150	ITO-220AC
UGF8J	25	8	600	65	2.9	30	150	ITO-220AC
UGF8JD	13	8	600	100	2.3	0.5	150	ITO-220AC
UG55J	20	5	600	65	2	20	150	D ² -PAK (TO-263)

Note. * - Q4/2014

DIODES - SCHOTTKY

DIODES - SCHOTTKY

(T_A=25°C unless otherwise noted)

Part Number	I _{F(AV)}	V _{RRM}	I _{FSM}	V _F	I _R	T _J max.	Package Description
	(A)	(V)	(A)	(V)	(μA)	(°C)	
SD101CW	0.02	40	2	0.39	0.2	125	SOD-123
SD101BW	0.02	50	2	0.40	0.2	125	SOD-123
SD101AW	0.02	60	2	0.41	0.2	125	SOD-123
RB751V-40	0.03	40	0.2	0.37	0.5	125	SOD-323
RB751V-40WS	0.03	40	0.2	0.37	0.5	125	SOD-323F
RB706F-40	0.03	45	0.2	0.37	1	125	SOT-323
TSS0340L	0.03	45	0.5	0.37	0.5	125	1005
TSS0340U	0.03	45	0.5	0.37	5	125	0603
BAS70	0.07	70	0.1	0.41	0.1	150	SOT-23
BAS70-04	0.07	70	0.1	0.41	0.1	150	SOT-23
BAS70-05	0.07	70	0.1	0.41	0.1	150	SOT-23
BAS70-06	0.07	70	0.1	0.41	0.1	150	SOT-23
TSS70L	0.07	70	0.1	0.41	0.1	125	1005
TSS70U	0.07	70	0.1	0.41	0.1	125	0603
RB520G-30	0.1	30	0.5	0.45	0.5	125	SOD-723F
RB500V-40	0.1	45	1	0.45	1	125	SOD-323F
BAS85	0.2	30	4	0.24	2	125	MMELF
BAT42	0.2	30	4	0.40	500	125	DO-35
BAT42W	0.2	30	4	0.40	0.5	125	SOD-123
BAT42WS	0.2	30	4	0.40	0.5	125	SOD-323F
BAT43	0.2	30	4	0.33	500	125	DO-35
BAT43X	0.2	30	4	0.26	0.5	125	SOD-523F
BAT43W	0.2	30	4	0.33	0.5	125	SOD-123
BAT43WS	0.2	30	4	0.33	0.5	125	SOD-323F
BAT54	0.2	30	0.6	0.24	2	150	SOT-23
BAT54A	0.2	30	0.6	0.24	2	150	SOT-23
BAT54AD	0.2	30	0.6	0.24	2	150	SOT-363
BAT54AD-G	0.2	30	0.6	0.24	2	150	SOT-363
BAT54AW	0.2	30	0.6	0.24	2	150	SOT-323
BAT54BR	0.2	30	0.6	0.24	2	150	SOT-363
BAT54BR-G	0.2	30	0.6	0.24	2	150	SOT-363
BAT54C	0.2	30	0.6	0.24	2	150	SOT-23
BAT54CD	0.2	30	0.6	0.24	2	150	SOT-363
BAT54CD-G	0.2	30	0.6	0.24	2	150	SOT-363
BAT54CW	0.2	30	0.6	0.24	2	150	SOT-323
BAT54S	0.2	30	0.6	0.24	2	150	SOT-23
BAT54SD	0.2	30	0.6	0.24	2	150	SOT-363
BAT54SD-G	0.2	30	0.6	0.24	2	150	SOT-363
BAT54SW	0.2	30	0.6	0.24	2	150	SOT-323
BAT54T	0.2	30	0.6	0.24	2	150	SOT-363
BAT54T-G	0.2	30	0.6	0.24	2	150	SOT-363
BAT54W	0.2	30	0.6	0.24	2	150	SOT-323
RB520S-30	0.2	30	1	0.60	1	125	SOD-523F
RB521S-30	0.2	30	1	0.50	30	125	SOD-523F
TSS42L	0.2	30	4	0.40	0.5	125	1005
TSS42U	0.2	30	4	0.40	0.5	125	0603

Part Number	I _{F(AV)}	V _{RRM}	I _{FSM}	V _F	I _R	T _J max.	Package Description
	(A)	(V)	(A)	(V)	(μA)	(°C)	
TSS43L	0.2	30	4	0.33	0.5	125	1005
TSS43U	0.2	30	4	0.33	0.5	125	0603
TSS54L	0.2	30	0.6	0.24	2	125	1005
TSS54U	0.2	30	0.6	0.24	2	125	0603
TSS0230LU	0.2	35	1	0.50	30	125	0603-B
TSS0230U	0.2	35	1	0.60	5	125	0603
BAS40	0.2	40	0.2	0.38	0.2	125	SOT-23
BAS40-04	0.2	40	0.2	0.38	0.2	125	SOT-23
BAS40-05	0.2	40	0.2	0.38	0.2	125	SOT-23
BAS40-06	0.2	40	0.2	0.38	0.2	125	SOT-23
TSS40L	0.2	40	0.6	0.38	0.2	125	1005
TSS40U	0.2	40	0.6	0.38	0.2	125	0603
SD103CW	0.35	20	1.5	0.37	5	125	SOD-123
SD103BW	0.35	30	1.5	0.37	5	125	SOD-123
RB495D	0.35	40	1.5	0.32	70	125	SOT-23
SD103AW	0.35	40	1.5	0.37	5	125	SOD-123
B0520LW	0.5	20	5.5	0.30	75	125	SOD-123
B0520LWF	0.5	20	5.5	0.30	75	125	SOD-123F
B0530W	0.5	30	5.5	0.30	20	125	SOD-123
B0530WF	0.5	30	5.5	0.38	20	125	SOD-123F
B0530WS	0.5	30	5	0.36	80	125	SOD-323F
B0540W	0.5	40	5.5	0.51	10	125	SOD-123
B0540WF	0.5	40	5.5	0.51	10	150	SOD-123F
RB551V-40	0.5	40	2	0.47	100	150	SOD-323
B5817W	1	20	9	0.45	1,000	125	SOD-123
B5817WS	1	20	9	0.45	1,000	125	SOD-323
B5818W	1	30	9	0.55	1,000	125	SOD-123
B5818WS	1	30	9	0.55	1,000	125	SOD-323
B5819W	1	40	9	0.60	1,000	125	SOD-123
B5819WS	1	40	9	0.60	1,000	125	SOD-323
1N581x	1	20-40	30	0.45-0.6	1000	150	DO-41
1N582x	3	20-40	80	0.48-0.53	500	150	DO-201AD
LL581x	1	20-40	25	0.45-0.6	500	150	MELF
LSR10x	1	20-60	25	0.55-0.7	1000	150	MELF
MBR10HxxCT	10	100-200	120	0.85-0.88	5	175	TO-220AB
MBR10L100CT	10	100	120	0.76	20	150	TO-220AB
MBR10xx	10	35-200	150	0.7-1.05	100	150	TO-220AC
MBR10xxCT	10	35-200	120	0.7-0.88	100	150	TO-220AB
MBR10xxCT-Y	10	45-200	120	0.7-0.88	100	150	TO-220AB
MBR15xxCT	15	35-150	150	0.57 @ 125°C-1.05	100	150	TO-220AB
MBR15xxCT-Y	15	45-150	150	0.57 @ 125°C-1.05	100	150	TO-220AB
MBR16xx	16	35-150	150	0.63-0.95	100-500	150	TO-220AC
MBR20HxxCT	20	100-200	150	0.85-0.88	5	175	TO-220AB
MBR20LxxCT	20	100-120	150	0.75-0.83	20	150	TO-220AB
MBR20xxCT	20	35-200	150	0.57 @ 125°C - 0.87 @ 125°C	100	150	TO-220AB
MBR20xxCT-Y	20	35-200	150	0.57 @ 125°C - 0.87 @ 125°C	100	150	TO-220AB

DIODES - SCHOTTKY

Part Number	$I_{F(AV)}$	V_{RRM}	I_{FSM}	V_F	I_R	$T_j \text{ max.}$	Package Description
	(A)	(V)	(A)	(V)	(μ A)	($^{\circ}$ C)	
MBR20xxPT	20	35-200	150	0.57 @ 125 $^{\circ}$ C-0.95	100	150	TO-3P
MBR25xxCT	25	35-150	200	0.75-0.95	100-200	150	TO-220AB
MBR25xxCT-Y	25	45-150	200	0.75-0.95	100-200	150	TO-220AB
MBR30xxPT	30	35-200	200	0.60 @ 125 $^{\circ}$ C-1.05	100-1000	150	TO-3P
MBR30H100CT	30	100	150	0.85	10	175	TO-220AB
MBR30LxxCT	30	45-120	200-220	0.55-0.88	20-500	150	TO-220AB
MBR30xxCT	30	35-150	200	0.7-0.95	100-200	150	TO-220AB
MBR30xxCT-Y	30	45-150	200	0.7-0.95	100-200	150	TO-220AB
MBR40xxPT	40	35-200	330	0.75-0.9	100-1000	150	TO-3P
MBR60xxPT	60	35-100	420	0.7-0.84	1000	150	TO-3P
MBR7xx	7.5	35-150	150	0.57 @ 125 $^{\circ}$ C-0.95	100-500	150	TO-220AC
MBRF10HxxCT	10	100-200	120	0.88	5	175	ITO-220AB
MBRF10L100CT	10	100	120	0.76	20	150	ITO-220AB
MBRF10xx	10	35-200	150	0.7-1.05	100	150	ITO-220AC
MBRF10xxCT	10	35-200	120	0.7-0.88	100	150	ITO-220AB
MBRF10xxCT-Y	10	45-200	120	0.7-0.88	100	150	ITO-220AB
MBRF15xxCT	35-150	35-150	150	0.57 @ 125 $^{\circ}$ C - 0.95	100-500	150	ITO-220AB
MBRF15xxCT-Y	45-150	45-150	150	0.57 @ 125 $^{\circ}$ C - 0.95	100-500	150	ITO-220AB
MBRF16H45	16	45	275	0.63	500	150	ITO-220AC
MBRF16xx	16	35-150	150	0.63-0.95	100-500	150	ITO-220AC
MBRF20HxxCT	20	100-200	150	0.85-0.88	5	175	ITO-220AB
MBRF20LxxCT	20	100-120	150	0.75-0.83	20	150	ITO-220AB
MBRF20xx	20	35-100	150	0.75-0.95	100-200	150	ITO-220AC
MBRF20xxCT	20	35-200	150	0.57 @ 125 $^{\circ}$ C-0.87 @ 125 $^{\circ}$ C	100	150	ITO-220AB
MBRF20xxCT-Y	20	45-200	150	0.57 @ 125 $^{\circ}$ C-0.85 @ 125 $^{\circ}$ C	100	150	ITO-220AB
MBRF25xxCT	25	35-150	200	0.75-0.95	100-200	150	ITO-220AB
MBRF25xxCT-Y	25	45-150	200	0.75-0.95	100-200	150	ITO-220AB
MBRF30LxxCT	30	45-120	200-220	0.55-0.88	20-400	150	ITO-220AB
MBRF30xxCT	30	35-200	200	0.7-0.95	200	150	ITO-220AB
MBRF30xxCT-Y	30	45-200	200	0.7-0.95	200	150	ITO-220AB
MBRF5xx	5	100-200	120	0.90-1.02	100	150	ITO-220AC
MBRF7xx	7.5	35-150	150	0.57 @ 125 $^{\circ}$ C-1.02	100	150	ITO-220AC
MBRF8xxCT	8	35-150	150	0.55-0.95	100	150	ITO-220AB
MBRI20100CT	20	100	150	0.85	100	150	I ² PAK
MBRI30100CT	30	100	200	0.84	200	150	I ² PAK
MBRS10HxxCT	10	100-200	120	0.85-0.88	5	175	D ² -Pak (TO-263)
MBRS10xx	10	35-150	120	0.72-1.05	100	175	D ² -Pak (TO-263)
MBRS10xxCT	10	35-150	120	0.7-0.88	100	150	D ² -Pak (TO-263)
MBRS10xxCT-Y	10	35-150	120	0.7-0.88	100	150	D ² -Pak (TO-263)
MBRS15H45CT	15	45	150	0.65	30	175	D ² -Pak (TO-263)
MBRS15xxCT	15	35-150	150	0.57 @ 125 $^{\circ}$ C - 0.95	100	150	D ² -Pak (TO-263)
MBRS15xxCT-Y	15	35-150	150	0.57 @ 125 $^{\circ}$ C - 0.95	100	150	D ² -Pak (TO-263)
MBRS16xx	16	35-150	150	0.63-0.95	100-500	150	D ² -Pak (TO-263)
MBRS20HxxCT	20	100-200	150	0.85-0.88	5	175	D ² -Pak (TO-263)
MBRS20xxCT	20	35-150	150	0.57 @ 125 $^{\circ}$ C-0.99	100	150	D ² -Pak (TO-263)
MBRS20xxCT-Y	20	45-150	150	0.57 @ 125 $^{\circ}$ C-0.99	100	150	D ² -Pak (TO-263)
MBRS25xxCT	25	35-150	200	0.65-0.95	100-200	150	D ² -Pak (TO-263)
MBRS25H45CT	25	45	150	0.70	200	175	D ² -Pak (TO-263)

DIODES - SCHOTTKY

Part Number	$I_{F(AV)}$	V_{RRM}	I_{FSM}	V_F	I_R	$T_j \text{ max.}$	Package Description
	(A)	(V)	(A)	(V)	(μ A)	($^{\circ}$ C)	
MBRS3045CT	30	45	220	0.70	200	150	D ² -Pak (TO-263)
MBRS3045CT-Y	30	45	220	0.70	200	150	D ² -Pak (TO-263)
MBRS30H45CT	30	45	220	0.70	200	175	D ² -Pak (TO-263)
MBRS4060CT	40	60	300	0.80	100	175	D ² -Pak (TO-263)
SK12Hxx	12	45-60	320	0.55-0.7	150	175	DO-201AD
SK15H45	15	45	340	0.56	150	175	R-6
SK1xB	1	20-150	30	0.5-0.95	100-200	150	SMB (DO-214AA)
SK20H45	20	45	275	0.55	500	175	R-6
SK2xxA	2	20-150	50	0.5-0.95	100-500	150	SMA (DO-214AC)
SK3xxA	3	20-200	70	0.55-0.95	100-500	150	SMA (DO-214AC)
SK3xxB	3	20-200	70	0.50-0.95	100-500	150	SMB (DO-214AA)
SK59B	5	20-150	120	0.55-0.95	100-500	150	SMB (DO-214AA)
SK59C	5	20-200	120	0.55-0.95	300-500	150	SMC (DO-214AB)
SK8xC	8	20-100	150	0.55-0.90	500	125-150	SMC (DO-214AB)
SKL13B	1	30	50	0.39	200	150	SMB (DO-214AA)
SR0xx	0.5	40-150	30	0.55-0.85	100-500	150	DO-41
SR10x	1	20-150	30	0.55-0.95	100-500	150	DO-41
SR10xx	10	20-150	120	0.55-0.95	100-500	150	TO-220AB
SR120x	12	20-40	280-320	0.55	500	150	DO-201AD
SR150x	15	20-40	300-340	0.55	500	150	R-6
SR16xx	16	20-150	170	0.55-1.05	100-500	150	TO-220AB
SR16xxPT	16	20-150	200	0.55-1.00	100-500	150	TO-3P
SR20x	2	20-200	50	0.55-0.95	100-500	150	DO-15
SR20xx	20	20-150	200	0.55-1.00	100-500	150	TO-220AB
SR20xxPT	20	20-150	200	0.55-1.02	100-500	150	TO-3P
SR30xxPT	30	20-150	300	0.55-1.00	500-1000	150	TO-3P
SR30x	3	20-200	80	0.55-0.95	100-500	150	DO-201AD
SR40xxPT	40	20-100	400	0.55-0.90	500-1000	150	TO-3P
SR5xx	5	20-200	120	0.55-1.05	100-500	150	DO-201AD
SR80x	8	20-200	150-175	0.55-1.02	100-500	150	DO-201AD
SRA10xx	10	20-150	170	0.55-0.75	100-500	150	TO-220AC
SRA16xx	16	20-100	200	0.55-0.92	100-500	150	TO-220AC
SRA20xx	20	20-150	300	0.55-1.02	100-500	150	TO-220AC
SRA8xx	8	20-150	150	0.55-1.05	100-500	150	TO-220AC
SRAF10xx	10	20-150	200	0.55-0.95	100-500	150	ITO-220AC
SRAF16xx	16	20-100	275	0.55-0.92	100-500	150	ITO-220AC
SRAF5xx	5	20-150	120	0.55-0.95	200-500	150	ITO-220AC
SRAF8xx	8	20-150	150	0.55-0.95	100-500	150	ITO-220AC
SRAS20xx	20	20-150	330	0.57-1.02	100-500	150	D ² -Pak (TO-263)
SRAS8xx	8	20-150	150	0.55-0.95	100	150	D ² -Pak (TO-263)
SRF10xx	10	20-150	120	0.55-0.90	100-500	150	ITO-220AB
SRF16xx	16	20-150	200	0.55-1.00	100	150	ITO-220AB
SRF20xx	20	20-150	200	0.55-1.02	100-500	150	ITO-220AB
SRS10xx	10	20-150	120	0.55-1.00	100-500	150	D ² -Pak (TO-263)
SRS16xx	16	20-100	150	0.55-0.90	100-500	150	D ² -Pak (TO-263)
SRS20xx	20	20-150	200	0.55-1.02	100-500	150	D ² -Pak (TO-263)
SRT1xx	1	20-150	25	0.55-0.9	100-500	150	TS-1
SS1x	1	20-150	30	0.55-0.95	100-200	150	SMA (DO-214AC)

DIODES - SCHOTTKY

Part Number	$I_{F(AV)}$	V_{RRM}	I_{FSM}	V_F	I_R	$T_j \text{ max.}$	Package Description
	(A)	(V)	(A)	(V)	(μ A)	($^{\circ}$ C)	
SS1xL	1	20-150	30	0.45-0.90	50-400	150	Sub SMA
SS1xLS	1	20-150	30	0.55-0.90	50-400	125-150	Sub SMA
SS1xM	1	30-60	25	0.55-0.68	50	150	Micro SMA
SS2x	2	20-150	50	0.50-0.95	100-400	150	SMB (DO-214AA)
SS2xL	2	20-150	50	0.50-0.95	100-400	150	Sub SMA
SS2xM	2	20-40	25	0.60	150	150	Micro SMA
SS3x	3	20-150	70-100	0.5-0.85	100-500	150	SMC (DO-214AB)
SS3xL	3	40-100	80	0.5-0.85	100-500	150	Sub SMA
SSH210	2	100	75	0.79	1	175	SMB (DO-214AA)
SSL1x	1	20-40	50	0.39	200	150	SMA (DO-214AC)
SSL2x	2	20-40	80	0.41	400	150	SMB (DO-214AA)
SSL3x	3	20-40	100	0.41	200-500	150	SMC (DO-214AB)
TSD20HxxCW	20	100-200	150	0.62-0.77	100-200	150	D ² -Pak (TO-263)
TSF10H120C	10	120	100	0.66	100	150	ITO-220AB
TSF2080C	20	80	100	0.52	600	150	ITO-220AB
TSF20LxxC	20	45-60	120	0.47	500	150	ITO-220AB
TSF40LxxC	40	100-200	200	0.60-0.80	100-250	150	ITO-220AB
TSI20HxxCW	20	150-200	150	0.72-0.77	100	150	I ² -Pak
TSI30HxxCW	30	150-200	200	0.81-0.84	150	150	I ² -Pak
TSF10HxxC	10	45-60	100	0.48-0.54	500	150	ITO-220AB
TSF10M45C	10	45	100	0.47	500	150	ITO-220AB
TSF10U60C	10	60	150	0.42	500	150	ITO-220AB
TSF20HxxC	20	100-200	120	0.64-0.83	100-250	150	ITO-220AB
TSF20UxxC	20	45-100	120-200	0.50-0.65	500	150	ITO-220AB
TSF30H200C	30	200	150	0.69@ 125 $^{\circ}$ C - 0.77 @ 125 $^{\circ}$ C	500	150	ITO-220AB
TSF30L45C	30	45	180	0.46	650	150	ITO-220AB
TSF30UxxC	30	45-120	160-250	0.45-0.78	500	150	ITO-220AB
TSN520M60	20	60	200	0.49	500	150	PDFN56
TSP10HxxS	10	45-200	180	0.48-0.75	100-150	150	SMPC (TO-277A)
TSP10UxxS	10	45-120	140-280	0.41-0.68	150-300	150	SMPC (TO-277A)
TSP12U120S	12	120	150	0.68	500	150	SMPC (TO-277A)
TSP15UxxS	15	50-100	150-200	0.50-0.62	250-2000	150	SMPC (TO-277A)
TSP20U60S	20	60	300	0.40	500	150	SMPC (TO-277A)
TSPB10U45S	10	45	275	0.42	150	150	SMPC4.0
TSPB15UxxS	15	50-100	200	0.48-0.62	2000	150	SMPC4.0
TSSA3Uxx	3	45-60	70	0.42-0.45	500	150	SMA (DO-214AC)
TSSA5Uxx	5	50-60	75	0.44-0.46	300-500	150	SMA (DO-214AC)
TSS3Uxx	3	45-60	80	0.40-0.49	1000	150	SOD123HE
TST20HxxCW	20	100-200	150	0.67-0.83	100	150	TO-220AB
TST20UxxC	20	45-60	180-200	0.50-0.51	500	150	TO-220AB
TST30HxxCW	30	150-200	150	0.69-0.84	150	150	TO-220AB
TST30L45C	30	45	180	0.46	650	150	TO-220AB
TST30U100C	30	100	160	0.66	500	150	TO-220AB
TST20H100CW	20	100	150	0.67	200	150	TO-220AB
TST30H100CW	30	100	200	0.69	250	150	TO-220AB
TST30LxxCW	30	100-200	200	0.76-0.86	100-200	150	TO-220AB
TST40LxxCW	40	100-200	200	0.62-0.80	100-200	150	TO-220AB

DIODES - SWITCHING SMALL SIGNAL

($T_A=25^{\circ}$ C unless otherwise noted)

Part Number	V_{RM}	V_R	P_D	$I_{F(AV)}$	I_{FSM}	Pulse Width	$V_F @ I_F$		$I_R @ V_R$		$C_j \text{ (Typ.) } @ V_R @ f$			$T_j \text{ max.}$	Package
	(V)	(V)	(mW)	(A)	(mA)	(ms)	(V)	(mA)	(μ A)	(V)	(pF)	(V)	MHz	($^{\circ}$ C)	Description
BAW56	70	70	225	200	2	0.001	1.00	50	2.500	70	2	0	1	150	SOT-23
BAV70	70	70	225	200	2	0.001	1.00	50	2.500	70	2	0	1	150	SOT-23
BAV99	70	70	225	200	2	0.001	1.00	50	2.500	70	2	0	1	150	SOT-23
BAS16	75	75	225	150	2	1	0.72	1	1.000	75	2	0	1	150	SOT-23
BAS116	75	75	225	200	0.5		0.90	1	0.005	75	2	0	1	150	SOT-23
TS4148 RWG	75	75	350	150	4	0.001	1.00	50	0.025	20	4	0	1	125	1005
TS4148C RZG	75	75	200	100	0.8	8.3	1.00	10	0.025	20	4	0	1	150	0603 (ceramic)
TS4148 RYG	75	75	500	150	2	8.3	1.00	100	0.025	20	4	0	1	150	0805 (ceramic)
TS4148 RXG	75	75	500	150	2	8.3	1.00	100	0.025	20	4	0	1	150	1206 (ceramic)
TS4148 RAG	75	75	350	150	4	0.001	1.00	50	0.025	20	4	0	1	125	0603 (ceramic)
TS4148 RBG	75	75	500	150	2	8.3	1.00	100	0.025	20	4	0	1	150	0805 (ceramic)
TS4148 RCG	75	75	500	150	2	8.3	1.00	100	0.025	20	4	0	1	150	1206 (ceramic)
MBD4448HAQW	80	57	200	250	4	0.001	0.72	5	0.025	20	4	6	1	150	SOT-363
MBD4448HADW	80	57	200	250	4	0.001	0.72	5	0.025	20	4	6	1	150	SOT-363
MBD4448HCDW	80	57	200	250	4	0.001	0.72	5	0.025	20	4	6	1	150	SOT-363
MBD4448HSDW	80	57	200	250	4	0.001	0.72	5	0.025	20	4	6	1	150	SOT-363
MBD4448HTW	80	57	200	250	4	0.001	0.72	5	0.025	20	4	6	1	150	SOT-363
BAV99W	85	75	200	150	4	0.001	0.72	1	0.030	25	2	0	1	150	SOT-323
BAV99S	85	85	200	150	4.5	0.001	0.72	1	1.000	75	2	0	1	150	SOT-363
1SS355	90	90	200	150	0.5	-	1.20	100	0.100	80	4	1	1	150	SOD-323F
1SS133M	90	90	300	150	2	-	1.20	100	0.500	80	4	0	1	200	DO-34
1SS400CS	90	80	-	100	0.225	-	1.20	100	0.100	80	3	1	1	150	SOD-923F
TS4448 RZ	100	100	150	125	2	8.3	0.72	5	0.025	20	9	1	1	125	0603
TS4448 RW	100	100	200	125	2	8.3	0.72	5	0.025	20	9	0	1	125	1005
1N4148WS-G	100	75	200	150	2	0.001	1.00	50	0.025	20	2	0	1	150	SOD-323
1N4148WS	100	75	200	150	-	-	1.00	10	0.025	20	4	0	1	150	SOD-323F
1N4448WS	100	75	200	150	-	-	0.72	5	0.025	20	4	0	1	150	SOD-323F
1N914BWS	100	75	200	150	-	-	0.72	5	0.025	20	4	0	1	150	SOD-323F
1SS400	100	100	200	200	0.5	-	1.20	100	0.100	80	4	1	1	150	SOD-523F
BAS19	100	100	250	200	-	-	1.00	100	0.100	100	5	0	1	150	SOT-23
1N4148W-G	100	100	350	150	2	1	0.72	1	0.025	20	2	0	1	150	SOD-123
MMBD4148	100	75	350	200	2	0.001	1.00	10	0.025	20	4	0	1	150	SOT-23
MMBD4148CA	100	75	350	200	2	0.001	1.00	10	0.025	20	4	0	1	150	SOT-23
MMBD4148CC	100	75	350	200	2	0.001	1.00	10	0.025	20	4	0	1	150	SOT-23
MMBD4148SE	100	75	350	200	2	0.001	1.00	10	0.025	20	4	0	1	150	SOT-23
1N4148W	100	75	400	150	-	-	1.00	10	0.025	20	4	0	1	150	SOD-123F
1N4448W	100	75	400	150	-	-	0.72	5	0.025	20	4	0	1	150	SOD-123F
1N914BW	100	75	400	150	-	-	0.72	5	0.025	20	4	0	1	150	SOD-123F
LL4148	100	75	500	150	2	8.3	1.00	50	0.025	20	4	0	1	175	MMELF
LL4448	100	75	500	150	2	8.3	0.72	5	0.025	20	4	0	1	175	MMELF
LL914B	100	75	500	150	2	8.3	0.72	5	0.025	20	4	0	1	175	MMELF
LS4148	100	75	500	150	2	-	1.00	10	0.025	20	4	0	1	175	QMMELF
LS4448	100	75	500	150	2	-	0.72	5	0.025	20	4	0	1	175	QMMELF
LS914B	100	75	500	150	2	-	0.72	5	0.025	20	4	0	1	175	QMMELF
LL4148L	100	75	500	200	0.45	-	1.00	10	0.025	20	4	0	1	200	SOD80C
1N4148	100	100	500	150	2	0.001	1.00	10	0.025	20	4	0	1	150	DO-35

DIODES - SWITCHING SMALL SIGNAL

DIODES - TVS

Part Number	V _{RM}	V _R	P _D	I _{F(AV)}	I _{FSM}	Pulse Width	V _F @ I _F		I _R @ V _R		C _j (Typ.) @ V _R @ f		T _j max.	Package Description	
	(V)	(V)	(mW)	(A)	(mA)	(ms)	(V)	(mA)	(μA)	(V)	(pF)	(V)	(MHz)		(°C)
1N4448	100	100	500	150	2	0.001	0.72	5	0.025	20	4	0	1	150	DO-35
1N914B	100	100	500	150	2	0.001	0.72	5	0.025	20	4	0	1	150	DO-35
BAS19W	100	100	200	200	-	-	1.25	100	0.100	100	5	0	1	150	SOT-323
BAV19W-G	120	100	500	200	2.5	1	1.00	100	0.100	100	5	0	1	150	SOD-123
BAS20	150	150	250	200	-	-	1.00	100	0.100	150	5	0	1	150	SOT-23
BAS20W	150	150	200	200	-	-	1.25	100	0.100	150	5	0	1	150	SOT-323
BAV20W-G	200	150	500	200	2.5	1	1.00	100	0.100	150	5	0	1	150	SOD-123
BAV19WS	250	250	200	-	2.5	0.001	1.00	100	0.100	100	5	0	1	150	SOD-323F
BAV20WS	250	250	200	-	2.5	0.001	1.00	100	0.100	150	5	0	1	150	SOD-323F
BAV21WS	250	250	200	-	2.5	0.001	1.00	100	0.100	200	5	0	1	150	SOD-323F
BAS21	250	250	225	200	1	8.3	1.00	100	0.100	200	5	1	1	150	SOT-23
BAS21A	250	250	225	200	1	8.3	1.00	100	0.100	200	5	1	1	150	SOT-23
BAS21C	250	250	225	200	1	8.3	1.00	100	0.100	200	5	1	1	150	SOT-23
BAS21S	250	250	225	200	1	8.3	1.00	100	0.100	200	5	1	1	150	SOT-23
BAV19W	250	250	410	200	4	0.001	1.00	100	0.100	100	5	0	1	150	SOD-123F
BAV20W	250	200	410	200	1	0.001	1.00	100	0.100	150	5	0	1	150	SOD-123F
BAV21W	250	250	410	200	1	0.001	1.00	100	0.100	200	5	0	1	150	SOD-123F
BAV21W-G	250	250	500	200	2.5	1	1.00	100	0.100	200	5	0	1	150	SOD-123
BAV100	250	250	500	200	4	0.001	1.00	100	0.100	50	5	0		200	MMELF
BAV101	250	250	500	200	4	0.001	1.00	100	0.100	100	5	0	1	200	MMELF
BAV102	250	250	500	200	4	0.001	1.00	100	0.100	150	5	0	1	200	MMELF
BAV103	250	250	500	200	4	0.001	1.00	100	0.100	200	5	0	1	200	MMELF
BAS21W	250	250	200	200	-	-	1.25	100	0.100	250	5	0	1	150	SOT-323
MMBD3004	350	350	350	225	4	0.001	1.00	100	0.100	240	5	1	1	150	SOT-23
MMBD3004CA	350	350	350	225	4	0.001	1.00	100	0.100	240	5	1	1	150	SOT-23
MMBD3004CC	350	350	350	225	4	0.001	1.00	100	0.100	240	5	1	1	150	SOT-23
MMBD3004SE	350	350	350	225	4	0.001	1.00	100	0.100	240	5	1	1	150	SOT-23
BAS316WS	-	100	200	250	4	0.001	0.72	1	0.030	25	2	0	1	150	SOD-323F
BAS316	-	100	200	250	4	0.001	0.86	10	0.030	25	2	0	1	150	SOD-323
BAV19	-	120	500	200	4	0.001	1.00	100	0.100	100	5	0	1	200	DO-35
BAV20	-	200	500	200	4	0.001	1.00	100	0.100	150	5	0	1	200	DO-35
BAV21	-	250	500	200	4	0.001	1.00	100	0.100	200	5	0	1	200	DO-35

(T_A=25°C unless otherwise noted)

Series	Polarity	Peak Power Dissipation at T _A = 25°C, T _p =1ms	Steady State Power Dissipation at T _L =75°C, Lead Length 0.375", 9.5mm	Breakdown Voltage		Stand off voltage		Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load	Package
		ppk (Watts)	P _D (Watts)	V _{BR} (Volts)		V _{WM} (Volts)		I _{FSM} (Amps)	
				Min	Max	Min	Max		
SMAJxx	Unidirection	400	1	6.40	255	5.00	188	40	SMA
SMAJxxA	Unidirection		1	6.40	494	5.00	400		
SMAJxxC	Bidirection		1	6.40	255	5.00	188		
SMAJxxCA	Bidirection		1	6.40	231	5.00	188		
P4SMAxx	Unidirection	400	1	6.12	220	5.50	162	40	SMA
P4SMAxxA	Unidirection		1	6.46	420	5.80	342		
P4SMAxxC	Bidirection		1	6.12	220	5.50	162		
P4SMAxxCA	Bidirection		1	6.46	210	5.80	171		
SMBJxx	Unidirection	600	3	6.40	231	5.00	170	100	SMB
SMBJxxA	Unidirection		3	6.40	543	5.00	440		
SMBJxxC	Bidirection		3	6.40	231	5.00	170		
SMBJxxCA	Bidirection		3	6.40	209	5.00	170		
P6SMBxx	Unidirection	600	3	6.12	242	5.50	175	100	SMB
P6SMBxxA	Unidirection		3	6.46	578	5.80	467		
P6SMBxxC	Bidirection		3	6.12	242	5.50	175		
P6SMBxxCA	Bidirection		3	6.46	231	5.80	185		
SMCJxx	Unidirection	1500	5	6.40	231	5.00	170	200	SMC
SMCJxxA	Unidirection		5	6.40	543	5.00	440		
SMCJxxC	Bidirection		5	6.40	231	5.00	170		
SMCJxxCA	Bidirection		5	6.40	543	5.00	440		
1.5SMCxx	Unidirection	1500	5	6.12	220	5.50	162	200	SMC
1.5SMCxxA	Unidirection		5	6.45	578	5.80	467		
1.5SMCxxC	Bidirection		5	6.12	220	5.50	162		
1.5SMCxxCA	Bidirection		5	6.45	578	5.80	467		

Series	Peak Power Dissipation at T _A = 25°C, T _p =1ms ppk (Watts)	Steady State Power Dissipation at TL=75°C, Lead Length 0.375", 9.5mm P _D (Watts)	Breakdown Voltage		Stand off voltage		Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load I _{FSM} (Amps)	Package
			V _{BR} (Volts)		V _{WM} (Volts)			
			Min	Max	Min	Max		
P4KExx(C)A	400	1.0	6.12	462	5.50	376	40	DO-41
BZW04-xx(B)	400	1.0	6.45	462	5.80	376	40	DO-41
SAxx(C)A	500	3.0	6.40	209	5.00	170	70	DO-15
P6KExx(C)A	600	5.0	6.12	462	5.50	376	100	DO-15
BZW06-xx(B)	600	1.7	14.30	462	12.80	376	100	DO-15
1.5KExx(C)A	1500	5.0	6.12	462	5.50	376	200	DO-201

DIODES - ZENER

ESD - PROTECTION

(T_A=25°C unless otherwise noted)

Series	Power Dissipation P _D (Watts)	Working Voltage		Package
		V _Z @ I _{ZT} (Volts)		
		Min	Max	
BZD17CxxP	1	10.40	233	Sub SMA
BZD27xxP	1	6.40	233	Sub SMA
1SMA47xx	1	7.5 (Nominal)	200 (Nominal)	SMA
1SMA59xx	2	10.45	210	SMA
1SMB59xx	3	10.45	210	SMB
1SMC5352	5	15 (Nominal)		SMC
1N47xxA-1MxxZ	1	9.50	210	DO-41
2MxxZ	2	6.8 (Nominal)	200 (Nominal)	DO-15

Part Number	P _D (mW)	Tolerance +/- (%)	V _Z @ I _{ZT} (V)	I _{ZT} (mA)	Z _{zT} @ I _{ZT} (Ω)	Z _{ZK} @ I _{ZK}		I _R @ V _R		Package Description
						(Ω)	(mA)	(μA)	(V)	
TSZU52C2-39	150	5	2.2-39	5	7-100	50-600	1	0.1-100	0.8-29	0603
BZY55C2V4-36	500	2	2.4-36	5	7-85	50-600	1	0.1-50	1-27	0805
TSZL52C2-39	200	5	2.2-39	5	7-100	50-600	1	0.1-100	0.8-29	1005
BZS55C2V4-36	500	5	2.4-36	5	7-85	50-600	1	0.1-50	1-27	1206
BZS55B2V4-36	500	2	2.4-36	5	7-85	50-600	1	0.1-50	1-27	1206
MMSZ5221B-5267B	500	5	2.4-75	2.2-20	5-150	600-2000	0.25	0.1-100	1-43	SOD-123
MMSZ5229BW-5267BW	500	2	4.3-75	1.7-20	5-270	600-2000	0.25	0.1-5	1-56	SOD-123
BZT52C2V4-75	500	5	2.4-75	5	10-255	75-600	0.5-1.0	0.045-120	0.5-52.5	SOD-123
BZT52B2V4-75	500	2	2.4-75	5	10-255	75-600	0.5-1.0	0.045-120	0.5-52.5	SOD-123
BZT52C2V4S-51S	200	5	2.4-75	2-5	10-255	75-564	0.5-1	0.045-45	1.0-52.5	SOD-323
BZT52B2V4S-51S	200	2	2.4-75	2-5	10-255	75-564	0.5-1	0.045-45	1.0-52.5	SOD-323
UDZ53V6B-36B	200	2	3.6-36	5	20-100	75-600	0.5-1	0.045-4.5	1.0-25.2	SOD-323
BZT52C2V0K-75K	200	5	2-75	1-5	10-255	80-1000	1	0.1-120	0.5-57	SOD-523
BZX585B2V4-51	200	2	2.4-51	2.0-5.0	10-180	75-564	0.5-1.0	0.045-45	1.0-35.7	SOD-523F
BZX84C2V4-39	350	5	2.4-39	2-5	10-130	80-600	0.5-1	0.1-50	1-27.3	SOT-23
AZ23C2V7-51	300	5	2.7-51	5	7-100	50-750	1	0.1	0.8-38	SOT-23
BZX84C2V4-75/SE/CC/CA	200	5	2.4-75	2-5	15-225	80-600	0.5-1	0.1-50	1-52.5	SOT-323
1N4728G-58G	1000	5	3.5-58.8	4.5-76	2.0-110	400-2000	0.25-1.0	5.0-100	1.0-42.6	DO-41
BZX85C3V3-56	1300	5	3.3-56	2.7-80	3.5-350	200-3000	0.25-1	0.5-60	1.0-68	DO-41
1N5221B-5263B	500	5	2.4-56	20	5.0-650	600-3000	0.25	0.1-100	1.0-82	DO-35
BZX55B2V4-75	500	2	2.4-75	7.0-250	1.0-5	50-700	1	0.1-50	1.0-69	DO-35
BZX55C2V4-75	500	5	2.4-75	7.0-250	1.0-5	50-700	1	0.1-50	1.0-69	DO-35
BZX79B2V4-75	500	2	2.4-75	2.0-5.0	10-255	80-1000	0.5-1.0	0.05-150	1.0-52.5	DO-35
BZX79C2V0-75	500	5	2.0-75	2.0-5.0	10-255	80-1000	0.5-1.0	0.05-150	1.0-52.5	DO-35
MTZJ2V0-39V	500	2.5~5	2.0-39	5	20-120	110-1000	0.5-1.0	0.2-120	0.5-30	DO-34
ZM4728A-58A	1000	5	3.3-56	4.5-76	2-110	400-2000	0.25-1	5.0-100	1-42.6	MELF
LLZ2V0-56V	500	5	2-56	5	20-120	-	-	0.2-120	0.7-43	MMELF
LLZ5221B-5263B	500	5	2.4-56	2.2-20	5-150	600-2000	0.25	0.1-100	1-43	MMELF
BZV55B2V0-56	500	2	2-56	2-5	7-170	50-1000	0.5-1.0	0.1-50	1-56	MMELF
BZV55C2V0-56	500	5	2-56	2-5	7-170	50-1000	0.5-1.0	0.1-50	1-56	MMELF
BZV79C2V0-56	500	5	2-56	2-5	10-255	80-1000	0.5-1.0	0.05-150	1-52.5	MMELF
BZT55B2V0-75	500	2	2-75	2-5	7-170	50-1000	0.5-1.0	0.1-50	1-56	QMMELF
BZT55C2V0-75	500	5	2-75	2-5	7-170	50-1000	0.5-1.0	0.1-50	1-56	QMMELF

(T_A=25°C unless otherwise noted)

Part Number	Family	VBR (Min.)	VBR (Max.)	@ IT	VWM	@ VWM ID	IPPM	@ IPPM VC	Cj	Channel	Package Description
		(V)	(V)	(mA)	(V)	(μA)	(A)	(°C)	(pF)		
TESDL5V0	Bi-directional	5.1	-	1	5	2	5	15	15	1	1005
TESDL12V	Bi-directional	13	-	1	12	2	1	25	12	1	1005
TESDL24V	Bi-directional	25	-	1	24	2	1	47	10	1	1005
TESDQ5V0	Bi-directional	6	-	1	5	1	2	20	10	1	0402
TESDE5V0	Bi-directional	5.1	-	1	5	2	5	15	15	1	0503
TESDE12V	Bi-directional	13	-	1	12	2	1	25	12	1	0503
TESDE24V	Bi-directional	15	-	1	24	2	1	47	10	1	0503
TESDU5V0	Bi-directional	5.1	-	1	5	2	5	15	15	1	0603
TESDU12V	Bi-directional	13	-	1	12	2	1	25	12	1	0603
TESDU24V	Bi-directional	25	-	1	24	2	1	47	10	1	0603
TESDUB5V0	Bi-directional	5.1	-	1	5	2	5	15	15	1	0603-B
TESDUB12V	Bi-directional	13	-	1	12	2	1	25	12	1	0603-B
TESDUB24V	Bi-directional	25	-	1	24	2	1	47	10	1	0603-B
TESDC5V0	Bi-directional	6	-	1	5	5	5	9.8	200	1	SOD-323
TESDC24V	Bi-directional	26.7	-	1	24	1	17	52	50	1	SOD-323
TESDC5V0LC	Bi-directional	6	-	1	5	5	30	27	2	1	SOD-323
TESDD5V0	Bi-directional	6	-	1	5	1	3	15	13	1	SOD-523F
TESDD5V0HC	Bi-directional	6	-	1	5	1	1	10	35	1	SOD-523F
TESDF5V0A	Bi-directional	6	-	1	5	1	2.5	15	10	2	SOT-23
TESDT5V0A	Bi-directional	6.5	-	1	5	1	1	9.8	20	4	SOT-23-5
TESDH5V0A	Uni-directional	6	-	1	5	1	1	15	1	4	2510P10 (DSON10)
TESDM5V0A	Uni-directional	6.5	-	1	5	0.5	1	15	0.5	6	MSOP-08
TESDO5V0A	Uni-directional	6	-	1	5	1	5	20	1	4	MSOP-10
TESDA5V0A	Uni-directional	6	-	1	5	1	15	15	0.8	2	SOT-23
TESDF5V0AU	Uni-directional	6	-	1	5	10	15	15	350	2	SOT-23
TESDS5V0A	Uni-directional	6	-	1	5	1	2	25	1.2	4	SOT-26
TESDV5V0A	Uni-directional	6	-	1	5	1	3	25	2	4	SOT-363
TESDGV5V0A	Uni-directional	6	-	1	5	1	3	16	0.9	4	SOT-563
TESDB5V0A	Bi-directional	6	-	1	5	5	1	9.8	3	2	SOT-143

IGBTs

(T_A=25°C unless otherwise noted)

Part Number	With FRD	Collector-Emitter-Voltage V _{CEs} (Max.)	Collector Current I _C (Max.)	VCE Sat. (Typ.)	Fall Time (Typ.)	Gate-Emitter-Threshold Voltage			Package Description
		(V)	(A)	(V)	(ns)	(Min.)	(Typ.)	(Max.)	
TSG60N100CE	Yes	1,000	60	2.1	120	3.5	5.5	7.6	TO-264
TSG15N120CN	Yes	1,200	15	1.9	86	3	5	7	TO-3PN
TSG25N120CN	Yes	1,200	25	1.9	168	3	5	7	TO-3PN
TSG40N120CE	Yes	1,200	40	2.2	65	4.5	6.5	8.5	TO-264

MOSFETS

Part Number	Configuration	Type	V _{DS} (V)	V _{GS} ±(V)	I _D Max(A)	V _{GS} ^(th)			R _{DS(ON)} ^(mΩ)			
						Min(V)	Typ(V)	Max(V)	@ 10V		@ 4.5V	
									Typ	Max	Typ	Max
TSM090N03CP*	Single	N-Channel	30	20	55	1	1.6	2.5	7.5	9	10	13
TSM090N03ECP*	Single	N-Channel	30	20	55	1	1.6	2.5	7.5	9	10	13
TSM036N03PQ56*	Single	N-Channel	30	20	90	1.2	1.6	2.5	2.7	3.6	4.1	6
TSM055N03EPQ56*	Single	N-Channel	30	20	80	1.2	1.6	2.5	4.5	5.5	6.3	8.5
TSM055N03PQ56*	Single	N-Channel	30	20	80	1	1.6	2.5	4.5	5.5	6.3	8.5
TSM080N03EPQ56*	Single	N-Channel	30	20	55	1	1.6	2.5	6.5	8	9.5	12.5
TSM080N03PQ56*	Single	N-Channel	30	20	55	1	1.6	2.5	6.5	8	9.5	12.5
TSM038N03PQ33*	Single	N-Channel	30	20	80	1.2	1.6	2.5	2.9	3.8	4.3	5.5
TSM060N03PQ33*	Single	N-Channel	30	20	60	1.2	1.6	2.5	4.8	6	6.7	9
TSM085N03PQ33*	Single	N-Channel	30	20	48	1.2	1.6	2.5	6.2	8.5	9	13
TSM180N03PQ33*	Single	N-Channel	30	20	25	1.2	1.6	2.5	14	18	20	28
TSM042N03CS	Single	N-Channel	30	20	30	1.2	1.6	2.5	3.8	4.2	5.2	6
TSM180N03CS	Single	N-Channel	30	20	9	1.2	1.6	2	16	18	23	28
TSM500N03CP	Single	N-Channel	30	20	12.5	1	1.7	3	40	50	65	80
TSM320N03CX*	Single	N-Channel	30	12	5.3	0.4	0.6	0.9	-	-	27	32
TSM240N03CX*	Single	N-Channel	30	20	6.5	1.2	1.6	2.5	20	24	27	34
TSM240N03CX6*	Single	N-Channel	30	20	6.5	1.2	1.6	2.5	19	24	25	34
TSM2318CX	Single	N-Channel	40	20	3.9	1	-	3	36	45	50	63
TSM028N04PQ56	Single	N-Channel	40	20	140	2	3	4	2.1	2.8	-	-
TSM2N7000KCT	Single	N-Channel	60	20	0.3	1	-	2.5	3,000	5,000	3,600	5,500
TSM2N7002KCX	Single	N-Channel	60	20	0.3	1	-	2.5	1,200	2,000	2,000	4,000
TSM4436CS	Single	N-Channel	60	20	8	1	-	3	30	36	35	43
TSM60N06CP	Single	N-Channel	60	20	62	2	3	4	6.3	7.3	-	-
TSM100N06CZ	Single	N-Channel	60	20	100	2	3	4	5.7	6.7	-	-
TSM10N06CP	Single	N-Channel	60	20	10	1	-	3	-	65	-	80
TSM210N06CZ	Single	N-Channel	60	20	210	2	-	4	2.6	3.1	-	-
TSM2308CX	Single	N-Channel	60	20	3	1.2	-	2.5	130	156	160	192
TSM058N06PQ56	Single	N-Channel	60	20	70	2	3	4	4.8	5.8	-	-
TSM052N06PQ56	Single	N-Channel	60	25	92	2	3	4	4.2	5.2	-	-
TSM230N06CP	Single	N-Channel	60	20	38	1.2	1.8	2.5	20	23	23	28
TSM340N06CP	Single	N-Channel	60	20	25	1.2	1.7	2.5	28	34	33	40
TSM900N06CP	Single	N-Channel	60	20	11	1.2	1.8	2.5	68	90	78	100
TSM340N06CH	Single	N-Channel	60	20	25	1.2	1.7	2.5	28	34	33	40
TSM900N06CH	Single	N-Channel	60	20	11	1.2	1.8	2.5	68	90	78	100
TSM230N06PQ56*	Single	N-Channel	60	20	44	1.2	1.8	2.5	20	23	23	28
TSM850N06CX*	Single	N-Channel	60	20	6.1	1.2	1.8	2.5	70	85	82	100
TSM900N06CW*	Single	N-Channel	60	20	5	1.2	1.8	2.5	76	90	87	100
TSM230N06CZ*	Single	N-Channel	60	20	50	1.2	1.8	2.5	20	23	23	28
TSM340N06CZ*	Single	N-Channel	60	20	30	1.2	1.7	2.5	28	34	33	40
TSM230N06CI*	Single	N-Channel	60	20	30	1.2	1.8	2.5	20	23	23	28
TSM340N06CI*	Single	N-Channel	60	20	20	1.2	1.7	2.5	28	34	33	40
TSM070N07PQ56	Single	N-Channel	65	20	75	2	3	4	5.5	7	-	-
TSM190N08CZ	Single	N-Channel	75	20	190	2	3	4	3.4	4.2	-	-
TSM75N75CZ	Single	N-Channel	75	20	75	2	3	4	8	11	-	-
TSM80N08CZ	Single	N-Channel	75	20	80	2	3	4	6	8	-	-
TSM090N08PQ56	Single	N-Channel	75	25	80	2	3	4	7	9	-	-

Note. * - Q4/2014

MOSFETS

R _{DS(ON)} ^(mΩ)				Q _g (nC)		Q _{gs}	Q _{gd}	C _{iss}	C _{oss}	C _{rss}	Package Description
@ 2.5V		@ 1.8V									
Typ	Max	Typ	Max	@10V	@4.5V	(nC)	(nC)	(pF)	(pF)	(pF)	
-	-	-	-	-	7.5	1.3	4.5	750	150	110	D-PAK (TO-252)
-	-	-	-	-	24	4.2	13	2,200	280	177	PDFN56
-	-	-	-	-	11.1	1.85	6.8	1,210	190	100	PDFN56
-	-	-	-	-	11.1	1.85	6.8	1,160	200	180	PDFN56
-	-	-	-	-	7.5	1.3	4.5	680	150	70	PDFN56
-	-	-	-	-	7.5	1.3	4.5	750	150	110	PDFN56
-	-	-	-	-	24	4.2	13	2,200	280	177	PDFN33
-	-	-	-	-	11.1	1.85	6.8	1,160	200	180	PDFN33
-	-	-	-	-	7.5	1.3	4.5	750	150	110	PDFN33
-	-	-	-	-	4.1	1	2.1	345	55	32	PDFN33
-	-	-	-	-	24	4.2	13	2,200	280	177	SOP-8
-	-	-	-	-	4.1	1	2.1	345	55	32	SOP-8
-	-	-	-	-	4	1.6	2.4	270	70	50	TO-252
32	40	-	-	-	8.4	1	2.2	695	45	36	SOT-23
-	-	-	-	-	4.1	1	2.1	345	55	32	SOT-23
-	-	-	-	-	4.1	1	2.1	345	55	32	SOT-26
-	-	-	-	10	-	1.6	2.1	540	80	45	SOT-23
-	-	-	-	78	-	22	4.7	4,222	889	398	PDFN56
-	-	-	-	-	0.4	-	-	7	3.42	7.63	TO-92
-	-	-	-	-	0.4	-	-	30	6	2.5	SOT-23
-	-	-	-	10.5	-	3.5	4.2	1,100	90	55	SOP-8
-	-	-	-	81	-	23	24	4,382	668	339	D-PAK (TO-252)
-	-	-	-	92	-	23	24	4,382	668	339	TO-220
-	-	-	-	-	10.5	3.5	4.2	1,100	90	55	D-PAK (TO-252)
-	-	-	-	160	-	35	40	7,900	780	30	TO-220
-	-	-	-	-	3.99	1.31	1.78	511	38	25	SOT-23
-	-	-	-	118	-	28	45	4,871	243	124	PDFN56
-	-	-	-	50	-	15	2.5	3,686	357	124	PDFN56
-	-	-	-	28	-	3.5	6.5	1,680	115	85	D-PAK (TO-252)
-	-	-	-	16.6	-	2.2	3.9	1,180	68	45	D-PAK (TO-252)
-	-	-	-	9.3	-	2.1	1.8	500	45	16	D-PAK (TO-252)
-	-	-	-	16.6	-	2.2	3.9	1,180	68	45	I-PAK (TO-251)
-	-	-	-	9.3	-	2.1	1.8	500	45	16	I-PAK (TO-251)
-	-	-	-	28	-	3.5	6.5	1,680	115	85	PDFN56
-	-	-	-	9.3	-	2.1	1.8	500	45	16	SOT-23
-	-	-	-	9.3	-	2.1	1.8	500	45	16	SOT-223
-	-	-	-	28	-	3.5	6.5	1,680	115	85	TO-220
-	-	-	-	16.6	-	2.2	3.9	1,180	68	45	TO-220
-	-	-	-	28	-	3.5	6.5	1,680	115	85	ITO-220
-	-	-	-	16.6	-	2.2	3.9	1,180	68	45	ITO-220
-	-	-	-	125	-	35	48	4,780	645	335	PDFN56
-	-	-	-	160	-	35	40	8,600	780	300	TO-220
-	-	-	-	81	-	23	24	4,382	668	339	TO-220
-	-	-	-	91.5	-	34	19.9	3,905	371	203	TO-220
-	-	-	-	125	-	35	48	4,800	650	340	PDFN56

MOSFETS

Part Number	Configuration	Type	V _{DS} (V)	V _{GS} ±(V)	I _D Max(A)	V _{GS} ^(th)			R _{DS(ON)} ^(mΩ)			
						Min(V)	Typ(V)	Max(V)	@ 10V		@ 4.5V	
									Typ	Max	Typ	Max
TSM2328CX	Single	N-Channel	100	20	1.5	1	-	2.5	-	250	-	-
TSM160N10CZ	Single	N-Channel	100	20	160	2	3	4	4.5	5.5	-	-
TSM35N10CP	Single	N-Channel	100	20	32	1	2	3	30	37	32	42
TSM70N10CP	Single	N-Channel	100	20	70	2	3	4	10	13	-	-
TSM70N10CH	Single	N-Channel	100	20	70	2	3	4	10	13	-	-
TSM85N10CZ	Single	N-Channel	100	20	81	2	3	4	9	10	-	-
TSM120N10PQ56	Single	N-Channel	100	20	58	2	3	4	10	12	-	-
TSM900N10CP*	Single	N-Channel	100	20	15	1.2	1.6	2.5	72	90	75	100
TSM900N10CH*	Single	N-Channel	100	20	15	1.2	1.6	2.5	72	90	75	100
TSM900N10CW*	Single	N-Channel	100	20	6.5	1.2	1.6	2.5	80	95	85	110
TSM15N15CP	Single	N-Channel	150	30	12	2	3	4	62	75	-	-
TSM19N20CP	Single	N-Channel	200	20	18	1	2	3	80	92	-	-
TSM600N25ECH	Single	N-Channel	250	30	8	3	-	5	500	600	-	-
TSM600N25ECP	Single	N-Channel	250	30	8	3	-	5	500	600	-	-
TSM1N45CT	Single	N-Channel	450	30	1	2.3	3	3.7	3,400	4,250	-	-
TSM1N45CW	Single	N-Channel	450	50	1	2.3	3	3.7	3,400	4,250	-	-
TSM6N50CH	Single	N-Channel	500	30	5.6	3	-	4.5	1,150	1,400	-	-
TSM6N50CP	Single	N-Channel	500	30	5.6	3	-	4.5	1,150	1,400	-	-
TSM9NB50CI	Single	N-Channel	500	30	9	2.5	3.3	4.5	720	850	-	-
TSM9NB50CZ	Single	N-Channel	500	30	9	2.5	3.3	4.5	720	850	-	-
TSM5NB50CZ	Single	N-Channel	500	30	5	3	-	4.5	1,300	1,500	-	-
TSM8N50CP	Single	N-Channel	500	20	8	2	3	4	700	850	-	-
TSM8N50CH	Single	N-Channel	500	20	8	2	3	4	700	850	-	-
TSM4NB50CH	Single	N-Channel	500	30	3	2.5	3.5	4.5	2,300	2,700	-	-
TSM4NB50CP	Single	N-Channel	500	30	3	2.5	3.5	4.5	2,300	2,700	-	-
TSM13N50CI	Single	N-Channel	500	30	13	2	-	4	380	480	-	-
TSM13N50CZ	Single	N-Channel	500	30	13	2	-	4	380	480	-	-
TSM13N50ACI	Single	N-Channel	500	30	13	2	-	4	380	480	-	-
TSM5NB50CH	Single	N-Channel	500	30	4.4	2.5	-	4.5	1,300	1,500	-	-
TSM5NB50CP	Single	N-Channel	500	30	4.4	2.5	-	4.5	1,300	1,500	-	-
TSM5NB50CI	Single	N-Channel	500	30	4.4	2.5	-	4.5	1,300	1,500	-	-
TSM15N50CZ	Single	N-Channel	500	30	14	2	-	4	350	440	-	-
TSM15N50CI	Single	N-Channel	500	30	14	2	-	4	350	440	-	-
TSM20N50CZ	Single	N-Channel	500	30	18	2	-	4	250	300	-	-
TSM20N50CI	Single	N-Channel	500	30	18	2	-	4	250	300	-	-
TSM18N50CI*	Single	N-Channel	500	30	18	3	3.45	5	0.25	0.27	-	-
TSM18N50CZ*	Single	N-Channel	500	30	18	3	3.45	5	0.25	0.27	-	-
TSM1NB60CH	Single	N-Channel	600	30	1	2.5	-	4.5	8,000	10,000	-	-
TSM1NB60CP	Single	N-Channel	600	30	1	2.5	-	4.5	8,000	10,000	-	-
TSM1NB60CW	Single	N-Channel	600	30	1	2	-	4	8,000	10,000	-	-
TSM1NB60SCT	Single	N-Channel	600	30	0.5	2.5	3.5	4.5	8,000	10,000	-	-
TSM2NB60SCW	Single	N-Channel	600	30	0.6	2	-	4	3.6	5	-	-
TSM2NB60CH	Single	N-Channel	600	30	2	2	-	4	4,000	4,400	-	-
TSM2NB60CI	Single	N-Channel	600	30	2	2	-	4	4,000	4,400	-	-
TSM2NB60CP	Single	N-Channel	600	30	2	2	-	4	4,000	4,400	-	-
TSM2NB60CZ	Single	N-Channel	600	30	2	2	-	4	4,000	4,400	-	-

Note. * - Q4/2014

MOSFETS

R _{DS(ON)} ^(mΩ)				Q _g (nC)		Q _{gs}	Q _{gd}	C _{iss}	C _{oss}	C _{rss}	Package Description
@ 2.5V		@ 1.8V		@10V	@4.5V	(nC)	(nC)	(pF)	(pF)	(pF)	
Typ	Max	Typ	Max								
-	-	-	-	-	11.1	4.4	3	975	38	27	SOT-23
-	-	-	-	154	-	35	40	9,840	750	260	TO-220
-	-	-	-	34	-	6	9	1,598	132	45	D-PAK (TO-252)
-	-	-	-	145	-	25	43	4,300	300	120	D-PAK (TO-252)
-	-	-	-	145	-	25	43	4,300	300	120	TO-251/TO-251S
-	-	-	-	154	-	4	45	3,900	300	170	TO-220
-	-	-	-	145	-	25	43	3,902	251	92	PDFN56
-	-	-	-	9.3	-	2.1	1.8	1,480	480	35	D-PAK (TO-252)
-	-	-	-	9.3	-	2.1	1.8	1,480	480	35	I-PAK (TO-251)
-	-	-	-	9.3	-	2.1	1.8	1,480	480	35	SOT-223
-	-	-	-	20.9	-	4.4	6.5	980	127	58	D-PAK (TO-252)
-	-	-	-	25.4	-	18	17	2,300	145	73	D-PAK (TO-252)
-	-	-	-	8.4	-	1.9	4	423	74	12	I-PAK (TO-251)
-	-	-	-	8.4	-	1.9	4	423	74	12	D-PAK (TO-252)
-	-	-	-	6.5	-	1.3	3.2	235	29	6.5	TO-92
-	-	-	-	6.5	-	1.3	3.2	235	29	6.5	SOT-223
-	-	-	-	12.8	-	5	10	680	85	15	I-PAK (TO-251)
-	-	-	-	12.8	-	5	10	680	85	15	D-PAK (TO-252)
-	-	-	-	63	-	8	27.4	1,019	129	15	ITO-220
-	-	-	-	63	-	8	27.4	1,019	129	15	TO-220
-	-	-	-	14	-	4.5	5.5	552	83	18	TO-220
-	-	-	-	26.6	-	5.4	6.82	1,595	127.4	14.5	D-PAK (TO-252)
-	-	-	-	26.6	-	5.4	6.82	1,595	127.4	14.5	I-PAK (TO-251)
-	-	-	-	7.6	-	1.8	3.8	327	60	18	I-PAK (TO-251)
-	-	-	-	7.6	-	1.8	3.8	327	60	18	D-PAK (TO-252)
-	-	-	-	36	-	8.5	8.7	1,918	187	7.7	ITO-220
-	-	-	-	36	-	8.5	8.7	1,918	187	7.7	TO-220
-	-	-	-	31	-	11	7	1,965	185	11	ITO-330
-	-	-	-	12.4	-	4.5	5.5	552	83	18	I-PAK (TO-251)
-	-	-	-	12.4	-	4.5	5.5	552	83	18	D-PAK (TO-252)
-	-	-	-	12.4	-	4.5	5.5	552	83	18	ITO-220
-	-	-	-	39	-	11	8.6	2,263	211	6.4	TO-220
-	-	-	-	39	-	11	8.6	2,263	211	6.4	ITO-220
-	-	-	-	54	-	15	12.5	3,094	296	9.2	TO-220
-	-	-	-	54	-	15	12.5	3,094	296	9.2	ITO-220
-	-	-	-	44	-	18	13	2,573	308	8	ITO-220
-	-	-	-	44	-	18	13	2,573	308	8	TO-220
-	-	-	-	6.1	-	1.4	3.3	138	17.1	4.2	I-PAK (TO-251)
-	-	-	-	6.1	-	1.4	3.3	138	17.1	4.2	D-PAK (TO-252)
-	-	-	-	6.1	-	1.4	3.3	138	17.1	4.2	SOT-223
-	-	-	-	6.1	-	1.4	3.3	138	17.1	4.2	TO-92
-	-	-	-	22	-	2	6	435	56	9.2	SOT-223
-	-	-	-	9.5	-	2.2	4.7	249	30.7	5	I-PAK (TO-251)
-	-	-	-	9.5	-	2.2	4.7	249	30.7	5	ITO-220
-	-	-	-	9.5	-	2.2	4.7	249	30.7	5	D-PAK (TO-252)
-	-	-	-	9.5	-	2.2	4.7	249	30.7	5	TO-220

MOSFETS

Part Number	Configuration	Type	V _{DS} (V)	V _{GS} ±(V)	I _D Max(A)	V _{GS} ^(th)			R _{DS(ON)} ^(mΩ)			
						Min(V)	Typ(V)	Max(V)	@ 10V		@ 4.5V	
									Typ	Max	Typ	Max
TSM60N1R4CP	Single	N-Channel	600	30	3.3	2	3	4	0.88	1.4	-	-
TSM60N1R4CH	Single	N-Channel	600	30	3.3	2	3	4	0.88	1.4	-	-
TSM4NB60CH	Single	N-Channel	600	30	4	2.3	3.5	4.5	4,500	2,500	-	-
TSM4NB60CI	Single	N-Channel	600	30	4	2	-	4	4,000	2,500	-	-
TSM4NB60CP	Single	N-Channel	600	30	4	2	-	4	4,000	2,500	-	-
TSM4NB60CZ	Single	N-Channel	600	30	4	2	-	4	4,000	2,500	-	-
TSM7N60CZ	Single	N-Channel	600	30	7	2	-	4	4,000	1,200	-	-
TSM6N60CP	Single	N-Channel	600	30	6	2	2.75	4	4,000	1,250	-	-
TSM6N60CH	Single	N-Channel	600	30	6	2	2.75	4	4,000	1,250	-	-
TSM10N60CI	Single	N-Channel	600	30	10	2	-	4	4,000	750	-	-
TSM10N60CZ	Single	N-Channel	600	30	10	2	-	4	4,000	750	-	-
TSM6NB60CI	Single	N-Channel	600	30	6	2.5	3.6	4.5	4,500	1,600	-	-
TSM6NB60CZ	Single	N-Channel	600	30	6	2.5	3.6	4.5	4,500	1,600	-	-
TSM126CX	Single	N-Channel	600	20	0.03	-2.7	-1.8	-1	400,000	800,000	-	-
TSM60N900CP	Single	N-Channel	600	30	4.5	2	3	4	720	900	-	-
TSM60N900CH	Single	N-Channel	600	30	4.5	2	3	4	720	900	-	-
TSM60N900CI	Single	N-Channel	600	30	4.5	2	3	4	720	900	-	-
TSM60N750CP	Single	N-Channel	600	30	6	2	3	4	620	750	-	-
TSM60N750CH	Single	N-Channel	600	30	6	2	3	4	620	750	-	-
TSM60N750CI*	Single	N-Channel	600	30	6	2	3	4	620	750	-	-
TSM60N600CP	Single	N-Channel	600	30	8	2	3	4	460	600	-	-
TSM60N600CH	Single	N-Channel	600	30	8	2	3	4	460	600	-	-
TSM60N600CI	Single	N-Channel	600	30	8	2	3	4	460	600	-	-
TSM60N380CP	Single	N-Channel	600	30	11	2	3	4	310	380	-	-
TSM60N380CH	Single	N-Channel	600	30	11	2	3	4	310	380	-	-
TSM60N380CI	Single	N-Channel	600	30	11	2	3	4	310	380	-	-
TSM4NB65CH	Single	N-Channel	650	30	4	2.5	3.6	4.5	2,700	3,370	-	-
TSM4NB65CI	Single	N-Channel	650	30	4	2.5	3.6	4.5	2,700	3,370	-	-
TSM4NB65CP	Single	N-Channel	650	30	4	2.5	3.6	4.5	2,700	3,370	-	-
TSM4NB65CZ	Single	N-Channel	650	30	4	2.5	3.6	4.5	2,700	3,370	-	-
TSM7N65CI	Single	N-Channel	650	30	6.4	2	-	4	1,000	1,200	-	-
TSM7N65CZ	Single	N-Channel	650	30	6.4	2	-	4	1,000	1,200	-	-
TSM12N65CI	Single	N-Channel	650	30	12	2	-	4	680	800	-	-
TSM2N70CH	Single	N-Channel	700	30	2	2	-	4	5,250	6,500	-	-
TSM70N1R4CP	Single	N-Channel	700	30	3.3	2	3	4	0.9	1.4	-	-
TSM70N1R4CH	Single	N-Channel	700	30	3.3	2	3	4	0.9	1.4	-	-
TSM70N1R4CI	Single	N-Channel	700	30	3.3	2	3	4	0.9	1.4	-	-
TSM2N70CP	Single	N-Channel	700	30	2	2	-	4	5,250	6,500	-	-
TSM8N70CI	Single	N-Channel	700	30	8	2	-	4	750	900	-	-
TSM70N900CP	Single	N-Channel	700	30	4.5	2	3	4	850	900	-	-
TSM70N900CH	Single	N-Channel	700	30	4.5	2	3	4	850	900	-	-
TSM70N900CI	Single	N-Channel	700	30	4.5	2	3	4	850	900	-	-
TSM70N750CP	Single	N-Channel	700	30	6	2	3	4	620	750	-	-
TSM70N750CH	Single	N-Channel	700	30	6	2	3	4	620	750	-	-
TSM70N750CI	Single	N-Channel	700	30	6	2	3	4	620	750	-	-
TSM70N600CP	Single	N-Channel	700	30	8	2	3	4	530	600	-	-

Note. * - Q4/2014

MOSFETS

R _{DS(ON)} ^(mΩ)				Q _g (nC)		Q _{gs}	Q _{gd}	C _{iss}	C _{oss}	C _{rss}	Package Description
@ 2.5V		@ 1.8V		@10V	@4.5V	(nC)	(nC)	(pF)	(pF)	(pF)	
Typ	Max	Typ	Max								
-	-	-	-	7.7	-	1.9	2.8	370	34	-	TO-252
-	-	-	-	7.7	-	1.9	2.8	370	34	-	TO-251
-	-	-	-	24	-	3.4	7	500	53.2	7	I-PAK (TO-251)
-	-	-	-	24	-	3.4	7	500	53.2	7	ITO-220
-	-	-	-	24	-	3.4	7	500	53.2	7	D-PAK (TO-252)
-	-	-	-	24	-	3.4	7	500	53.2	7	TO-220
-	-	-	-	-	-	5.5	11	950	85	12	TO-220
-	-	-	-	20.7	-	5.1	5.4	1,248	117	11.3	D-PAK (TO-252)
-	-	-	-	20.7	-	5.1	5.4	1,248	117	11.3	I-PAK (TO-251)
-	-	-	-	45.8	-	11.5	16	1,738	195	26.3	ITO-220
-	-	-	-	45.8	-	11.5	16	1,738	195	26.3	TO-220
-	-	-	-	19	-	5.7	6.7	841	78.4	5.7	ITO-220
-	-	-	-	19	-	5.7	6.7	841	78.4	5.7	TO-220
-	-	-	-	-	1.18	0.49	0.365	51	4.48	1.12	SOT-23
-	-	-	-	9.7	-	2.3	3.6	480	36	-	D-PAK (TO-252)
-	-	-	-	9.7	-	2.3	3.6	480	36	-	I-PAK (TO-251)
-	-	-	-	9.7	-	2.3	3.6	480	36	-	ITO-220
-	-	-	-	10.8	-	22.7	3.7	554	46	-	D-PAK (TO-252)
-	-	-	-	10.8	-	22.7	3.7	554	46	-	I-PAK (TO-251)
-	-	-	-	10.8	-	22.7	3.7	554	46	-	ITO-220
-	-	-	-	12.6	-	2.9	4.5	743	66	-	D-PAK (TO-252)
-	-	-	-	12.6	-	2.9	4.5	743	66	-	I-PAK (TO-251)
-	-	-	-	12.6	-	2.9	4.5	743	66	-	ITO-220
-	-	-	-	20.5	-	4.8	6.5	1,071	62	-	D-PAK (TO-252)
-	-	-	-	20.5	-	4.8	6.5	1,071	62	-	I-PAK (TO-251)
-	-	-	-	20.5	-	4.8	6.5	1,071	62	-	ITO-220
-	-	-	-	14.5	-	3.4	7	500	53.2	7	I-PAK (TO-251)
-	-	-	-	14.5	-	3.4	7	500	53.2	7	ITO-220
-	-	-	-	14.5	-	3.4	7	500	53.2	7	D-PAK (TO-252)
-	-	-	-	14.5	-	3.4	7	500	53.2	7	TO-220
-	-	-	-	42	-	6	11	905	115	25	ITO-220
-	-	-	-	42	-	6	11	905	115	25	TO-220
-	-	-	-	41	-	13	10.5	2,162	183	14.6	ITO-220
-	-	-	-	11	-	1.6	4	320	35	4.5	I-PAK (TO-251)
-	-	-	-	7.7	-	1.9	2.8	370	34	-	TO-252
-	-	-	-	7.7	-	1.9	2.8	370	34	-	TO-251
-	-	-	-	7.7	-	1.9	2.8	370	34	-	ITO-220
-	-	-	-	11	-	1.6	4	320	35	4.5	D-PAK (TO-252)
-	-	-	-	32	-	9	8	2,006	148	13.7	ITO-220
-	-	-	-	9.7	-	2.9	3.5	482	34	-	D-PAK (TO-252)
-	-	-	-	9.7	-	2.9	3.5	482	34	-	I-PAK (TO-251)
-	-	-	-	9.7	-	2.9	3.5	482	34	-	ITO-220
-	-	-	-	10.7	-	2.8	3.5	555	39	-	D-PAK (TO-252)
-	-	-	-	10.7	-	2.8	3.5	555	39	-	I-PAK (TO-251)
-	-	-	-	10.7	-	2.8	3.5	555	39	-	ITO-220
-	-	-	-	12.6	-	2.9	4.5	743	66	-	D-PAK (TO-252)

MOSFETS

Part Number	Configuration	Type	V _{DS} (V)	V _{GS} ±(V)	I _D Max(A)	V _{GS} ^(th)			R _{DS(ON)} ^(mΩ)			
						Min(V)	Typ(V)	Max(V)	@ 10V		@ 4.5V	
									Typ	Max	Typ	Max
TSM70N600CH	Single	N-Channel	700	30	8	2	3	4	530	600	-	-
TSM70N600CI	Single	N-Channel	700	30	8	2	3	4	530	600	-	-
TSM70N380CP	Single	N-Channel	700	30	11	2	3	4	360	380	-	-
TSM70N380CH	Single	N-Channel	700	30	11	2	3	4	360	380	-	-
TSM70N380CI	Single	N-Channel	700	30	11	2	3	4	360	380	-	-
TSM1N80CW	Single	N-Channel	800	30	0.3	3	-	5	18,000	21,600	-	-
TSM3N80CH	Single	N-Channel	800	30	3	2	-	4	3,300	4,200	-	-
TSM3N80CI	Single	N-Channel	800	30	3	2	-	4	3,300	4,200	-	-
TSM3N80CP	Single	N-Channel	800	30	3	2	-	4	3,300	4,200	-	-
TSM3N80CZ	Single	N-Channel	800	30	3	2	-	4	3,300	4,200	-	-
TSM4N80CI	Single	N-Channel	800	30	4	2	-	4	2,500	3,000	-	-
TSM4N80CZ	Single	N-Channel	800	30	4	2	-	4	2,500	3,000	-	-
TSM8N80CI	Single	N-Channel	800	30	8	2	-	4	1,100	1,400	-	-
TSM8N80CZ	Single	N-Channel	800	30	8	2	-	4	1,100	1,400	-	-
TSM10N80CI	Single	N-Channel	800	30	9.5	2	-	4	900	1,050	-	-
TSM10N80CZ	Single	N-Channel	800	30	9.5	2	-	4	900	1,050	-	-
TSM3N90CH	Single	N-Channel	900	30	2.5	2	-	4	4,300	5,100	-	-
TSM3N90CI	Single	N-Channel	900	30	2.5	2	-	4	4,300	5,100	-	-
TSM3N90CP	Single	N-Channel	900	30	2.5	2	-	4	4,300	5,100	-	-
TSM3N90CZ	Single	N-Channel	900	30	2.5	2	-	4	4,300	5,100	-	-
TSM4N90CI	Single	N-Channel	900	30	4	2	-	4	3,200	4,000	-	-
TSM4N90CZ	Single	N-Channel	900	30	4	2	-	4	3,200	4,000	-	-
TSM7N90CI	Single	N-Channel	900	30	7	2	-	4	1,520	1,900	-	-
TSM7N90CZ	Single	N-Channel	900	30	7	2	-	4	1,520	1,900	-	-
TSM9N90CI	Single	N-Channel	900	30	9	2	-	4	1,130	1,400	-	-
TSM9N90CZ	Single	N-Channel	900	30	9	2	-	4	1,130	1,400	-	-
TSM680P06DQ56*	Dual	P-Channel	-60	20	-12	-1.2	-1.6	-2.2	54	68	72	85
TSM4925DCS	Dual	P-Channel	-30	20	-7.1	-1	-	-3	20	25	33	41
TSM4953DCS	Dual	P-Channel	-30	20	-4.9	-1	-1.7	-3	50	60	75	90
TSM9933DCS	Dual	P-Channel	-20	12	-4.7	-0.6	-	-1.4	-	-	48	60
TSM6963SDCA	Dual	P-Channel	-20	12	-5	-0.5	-	-1	-	-	23	30
TSM3911DCX6	Dual	P-Channel	-20	8	-2.2	-0.45	-	-0.95	-	-	115	140
TSM22P10CZ*	Single	P-Channel	-100	25	-22	-1	-	-3	90	120	100	130
TSM22P10CI*	Single	P-Channel	-100	25	-22	-1	-	-3	90	120	100	130
TSM480P06CP	Single	P-Channel	-60	20	-20	-1.2	-1.6	-2.2	39	48	53	65
TSM480P06CH	Single	P-Channel	-60	20	-20	-1.2	-1.6	-2.2	39	48	53	65
TSM480P06CZ*	Single	P-Channel	-60	20	-20	-1.2	-1.6	-2.2	39	48	53	65
TSM480P06CI*	Single	P-Channel	-60	20	-20	-1.2	-1.6	-2.2	39	48	53	65
TSM680P06CP	Single	P-Channel	-60	20	-18	-1.2	-1.6	-2.2	54	68	72	85
TSM680P06CH	Single	P-Channel	-60	20	-18	-1.2	-1.6	-2.2	54	68	72	85
TSM680P06CZ*	Single	P-Channel	-60	20	-18	-1.2	-1.6	-2.2	54	68	72	85
TSM680P06CI*	Single	P-Channel	-60	20	-18	-1.2	-1.6	-2.2	54	68	72	85
TSM10P06CP	Single	P-Channel	-60	20	-10	-1	-	-3	130	170	170	220
TSM7P06CP	Single	P-Channel	-60	20	-7	-1.2	-1.6	-2.5	153	180	198	220
TSM9409CS	Single	P-Channel	-60	20	-3.5	-1	-	-3	125	155	153	200
TSM2309CX*	Single	P-Channel	-60	20	-3.1	-1.2	-1.9	-2.5	160	190	200	240

Note. * - Q4/2014

MOSFETS

R _{DS(ON)} ^(mΩ)				Q _g (nC)		Q _{gs}	Q _{gd}	C _{iss}	C _{oss}	C _{rss}	Package Description
@ 2.5V		@ 1.8V		@10V	@4.5V	(nC)	(nC)	(pF)	(pF)	(pF)	
Typ	Max	Typ	Max								
-	-	-	-	12.6	-	2.9	4.5	743	66	-	I-PAK (TO-251)
-	-	-	-	12.6	-	2.9	4.5	743	66	-	ITO-220
-	-	-	-	19.7	-	5.7	5	995	904	-	D-PAK (TO-252)
-	-	-	-	19.7	-	5.7	5	995	904	-	I-PAK (TO-251)
-	-	-	-	19.7	-	5.7	5	995	904	-	ITO-220
-	-	-	-	6	-	1	2	155	20	2.7	SOT-223
-	-	-	-	19	-	4	7.6	696	65	10.2	I-PAK (TO-251)
-	-	-	-	19	-	4	7.6	696	65	10.2	ITO-220
-	-	-	-	19	-	4	7.6	696	65	10.2	D-PAK (TO-252)
-	-	-	-	19	-	4	7.6	696	65	10.2	TO-220
-	-	-	-	20	-	3.7	8.2	955	80	13	ITO-220
-	-	-	-	20	-	3.7	8.2	955	80	13	TO-220
-	-	-	-	41	-	10	11	1,921	146	12	ITO-220
-	-	-	-	41	-	10	11	1,921	146	12	TO-220
-	-	-	-	53	-	10	23	2,336	214	29	ITO-220
-	-	-	-	53	-	10	23	2,336	214	29	TO-220
-	-	-	-	25	-	2.4	6.6	748	55	8.7	I-PAK (TO-251)
-	-	-	-	25	-	2.4	6.6	748	55	8.7	ITO-220
-	-	-	-	25	-	2.4	6.6	748	55	8.7	D-PAK (TO-252)
-	-	-	-	25	-	2.4	6.6	748	55	8.7	TO-220
-	-	-	-	25	-	4.8	10.2	955	80	13	ITO-220
-	-	-	-	25	-	4.8	10.2	955	80	13	TO-220
-	-	-	-	49	-	7	20	1,969	133	11	ITO-220
-	-	-	-	49	-	7	20	1,969	133	11	TO-220
-	-	-	-	65	-	11	23	2,324	184	29	ITO-220
-	-	-	-	65	-	11	23	2,324	184	29	TO-220
-	-	-	-	16.4	-	2.8	3.6	870	70	42	PDFN56
-	-	-	-	33	-	5.8	8.6	1,573	319	211	SOP-8
-	-	-	-	28	-	3	7	745	440	120	SOP-8
65	85	-	-	-	8.5	2.1	4.7	1,500	220	160	SOP-8
30	42	45	68	-	20	1.4	1.9	640	180	90	TSSOP-8
163	200	220	300	-	15.23	5.49	2.74	883	145.54	97.26	SOT-26
-	-	-	-	42	-	8	5.6	2,250	130	90	TO-220
-	-	-	-	42	-	8	5.6	2,250	130	90	ITO-220
-	-	-	-	22.4	-	4.1	5.2	1,250	85	65	D-PAK (TO-252)
-	-	-	-	22.4	-	4.1	5.2	1,250	85	65	I-PAK (TO-251)
-	-	-	-	22.4	-	4.1	5.2	1,250	85	65	TO-220
-	-	-	-	22.4	-	4.1	5.2	1,250	85	65	ITO-220
-	-	-	-	16.4	-	2.8	3.6	870	70	42	D-PAK (TO-252)
-	-	-	-	16.4	-	2.8	3.6	870	70	42	I-PAK (TO-251)
-	-	-	-	16.4	-	2.8	3.6	870	70	42	TO-220
-	-	-	-	16.4	-	2.8	3.6	870	70	42	ITO-220
-	-	-	-	6	-	1.7	1.5	540	60	30	D-PAK (TO-252)
-	-	-	-	8.2	-	1.8	1.5	425	35	20	D-PAK (TO-252)
-	-	-	-	6	-	1.7	1.5	540	60	30	SOP-8
-	-	-	-	8.2	-	1.8	1.5	425	35	20	SOT-23

MOSFETS

MOSFETS

Part Number	Configuration	Type	V _{DS} (V)	V _{GS} ±(V)	I _D Max(A)	V _{GS} ^(th)			R _{DS(ON)} ^(mΩ)			
						Min(V)	Typ(V)	Max(V)	@ 10V		@ 4.5V	
									Typ	Max	Typ	Max
TSM150P03PQ33	Single	P-Channel	-30	20	-30	-1.2	-1.6	-2.5	13	15	22	25
TSM4459CS	Single	P-Channel	-30	20	-17	-1	-	-3	4	5	7	10
TSM4425CS	Single	P-Channel	-30	20	-11	-1	-	-3	10	12	15	19
TSM180P03CS	Single	P-Channel	-30	20	-10	-1.2	-1.6	-2.5	14	18	23	30
TSM4435CS	Single	P-Channel	-30	20	-9.1	-1	-	-3	17	21	25	35
TSM3481CX6	Single	P-Channel	-30	20	-5.3	-1	-1.7	-3	38	48	63	79
TSM9435CS	Single	P-Channel	-30	20	-5.3	-1	-1.7	-3	50	60	75	90
TSM3457CX6	Single	P-Channel	-30	20	-5	-1	-1.7	-3	50	60	82	100
TSM600P03CS	Single	P-Channel	-30	20	-4.7	-1.2	-1.6	-2.5	44	60	73	90
TSM650P03CX*	Single	P-Channel	-30	12	-4.1	-0.4	-0.7	-0.9	55	65	65	75
TSM2307CX	Single	P-Channel	-30	20	-3	-1	-	-3	76	76	103	140
TSM3401CX	Single	P-Channel	-30	20	-3	-1	-1.7	-3	50	60	75	90
TSM2303CX	Single	P-Channel	-30	20	-1.3	-1	-	-3	150	150	250	300
TSM160P02CS*	Single	P-Channel	-20	10	-11	-0.3	-0.6	-1	-	-	12	16
TSM260P02CX*	Single	P-Channel	-20	10	-6.5	-0.3	-0.6	-1	-	-	20	26
TSM260P02CX6*	Single	P-Channel	-20	10	-6.5	-0.3	-0.6	-1	-	-	20	26
TSM9434CS	Single	P-Channel	-20	8	-6.4	-0.4	-	-1	-	-	31	40
TSM2323CX	Single	P-Channel	-20	8	-4.7	-0.4	-	-1	-	-	31	39
TSM3443CX6	Single	P-Channel	-20	12	-4.7	-0.6	-	-1.4	-	-	48	60
TSM500P02CX*	Single	P-Channel	-20	10	-4.7	-0.3	-0.6	-0.8	-	-	40	50
TSM650P02CX*	Single	P-Channel	-20	10	-4.1	-0.4	-0.6	-0.8	-	-	52	65
TSM2311CX	Single	P-Channel	-20	8	-4	-0.6	-	-1.4	-	-	45	55
TSM2313CX	Single	P-Channel	-20	12	-3.3	-0.6	-	-1.4	-	-	55	70
TSM2305CX	Single	P-Channel	-20	8	-3.2	-0.45	-	-1	-	-	44	55
TSM2301BCX	Single	P-Channel	-20	8	-2.8	-0.45	-	-0.95	-	-	80	100
TSM2301CX	Single	P-Channel	-20	8	-2.8	-0.45	-	-0.95	-	-	90	130
TSM2301ACX	Single	P-Channel	-20	12	-2.8	-0.6	-0.7	-1	-	-	90	130
TSM301K12CQ	Single	P-Channel Integrated Schottky	-20	12	-4.5	-1	-	-3	-	-	94	-

Note. * - Q4/2014

Part Number	Configuration	Type	V _{DS} (V)	V _{GS} ±(V)	I _D Max(A)	V _{GS} ^(th) Min(V)	V _{GS} ^(th) Typ(V)	V _{GS} ^(th) Max(V)	R _{DS(ON)} ^(mΩ)				Qg (nC)		Q _{gs} (nC)	Q _{gd} (nC)	C _{iss} (pF)	C _{oss} (pF)	C _{rss} (pF)	Package Description				
									@ 2.5V		@ 1.8V		@ 10V								@ 4.5V			
									Typ	Max	Typ	Max	Typ	Max							Typ	Max		
TSM150P03PQ33	Single	P-Channel	-30	20	-30	-1.2	-1.6	-2.5	13	15	22	25	-	-	14.6	4.1	6.3	1,730	180	125	PDFN33			
TSM4459CS	Single	P-Channel	-30	20	-17	-1	-	-3	4	5	7	10	-	-	78.4	25.1	38.7	6,205	963	330	SOP-8			
TSM4425CS	Single	P-Channel	-30	20	-11	-1	-	-3	10	12	15	19	-	-	64	-	11	3,680	930	620	SOP-8			
TSM180P03CS	Single	P-Channel	-30	20	-10	-1.2	-1.6	-2.5	14	18	23	30	-	-	14.6	4.1	6.3	1,730	180	125	SOP-8			
TSM4435CS	Single	P-Channel	-30	20	-9.1	-1	-	-3	17	21	25	35	-	-	64	5.8	8.6	1,573	319	211	SOP-8			
TSM3481CX6	Single	P-Channel	-30	20	-5.3	-1	-1.7	-3	38	48	63	79	-	-	18.09	-	6.5	3.3	1,048	172.8	115.5	SOT-26		
TSM9435CS	Single	P-Channel	-30	20	-5.3	-1	-1.7	-3	50	60	75	90	-	-	9.5	-	3.4	1.7	552	91	60.8	SOP-8		
TSM3457CX6	Single	P-Channel	-30	20	-5	-1	-1.7	-3	50	60	82	100	-	-	9.5	-	3.4	1.7	552	91	60.8	SOT-26		
TSM600P03CS	Single	P-Channel	-30	20	-4.7	-1.2	-1.6	-2.5	44	60	73	90	-	-	5.1	2	2.2	560	55	40	SOP-8			
TSM650P03CX*	Single	P-Channel	-30	12	-4.1	-0.4	-0.7	-0.9	55	65	65	75	-	-	8	1.9	1.4	810	85	50	SOT-23			
TSM2307CX	Single	P-Channel	-30	20	-3	-1	-	-3	76	76	103	140	-	-	10	1.9	2	565	126	75	SOT-23			
TSM3401CX	Single	P-Channel	-30	20	-3	-1	-1.7	-3	50	60	75	90	-	-	9.5	3.4	1.7	552	91	60.8	SOT-23			
TSM2303CX	Single	P-Channel	-30	20	-1.3	-1	-	-3	150	150	250	300	-	-	10	1.9	2	565	126	75	SOT-23			
TSM160P02CS*	Single	P-Channel	-20	10	-11	-0.3	-0.6	-1	-	-	12	16	16	22	21	28	-	2.4	5.3	2,320	280	175	SOP-8	
TSM260P02CX*	Single	P-Channel	-20	10	-6.5	-0.3	-0.6	-1	-	-	20	26	25	32	31	40	-	19.5	2	3.6	1,670	220	120	SOT-23
TSM260P02CX6*	Single	P-Channel	-20	10	-6.5	-0.3	-0.6	-1	-	-	20	26	25	32	31	40	-	19.5	2	3.6	1,670	220	120	SOT-26
TSM9434CS	Single	P-Channel	-20	8	-6.4	-0.4	-	-1	-	-	31	40	45	60	-	-	12.5	-	1.7	3.3	1,020	191	140	SOP-8
TSM2323CX	Single	P-Channel	-20	8	-4.7	-0.4	-	-1	-	-	31	39	41	52	54	68	-	12.5	1.7	3.3	1,020	191	140	SOT-23
TSM3443CX6	Single	P-Channel	-20	12	-4.7	-0.6	-	-1.4	-	-	48	60	80	100	-	-	-	8.5	1.4	1.9	640	180	90	SOT-26
TSM500P02CX*	Single	P-Channel	-20	10	-4.7	-0.3	-0.6	-0.8	-	-	40	50	54	65	67	85	-	9.6	1.6	2	850	70	55	SOT-23
TSM650P02CX*	Single	P-Channel	-20	10	-4.1	-0.4	-0.6	-0.8	-	-	52	65	73	85	105	130	-	6.4	0.9	1.6	515	55	20	SOT-23
TSM2311CX	Single	P-Channel	-20	8	-4	-0.6	-	-1.4	-	-	45	55	75	85	-	-	-	8.5	1.4	1.9	640	180	90	SOT-23
TSM2313CX	Single	P-Channel	-20	12	-3.3	-0.6	-	-1.4	-	-	55	70	70	90	120	130	-	8	1.4	1.9	640	18	90	SOT-23
TSM2305CX	Single	P-Channel	-20	8	-3.2	-0.45	-	-1	-	-	44	55	65	80	90	130	-	10	0.7	4	990	125	100	SOT-23
TSM2301BCX	Single	P-Channel	-20	8	-2.8	-0.45	-	-0.95	-	-	80	100	110	150	150	190	-	5.8	0.85	1.7	415	223	87	SOT-23
TSM2301CX	Single	P-Channel	-20	8	-2.8	-0.45	-	-0.95	-	-	90	130	120	190	-	-	-	5.4	0.8	1.1	447	127	80	SOT-23
TSM2301ACX	Single	P-Channel	-20	12	-2.8	-0.6	-0.7	-1	-	-	90	130	120	190	-	-	-	7.2	2.2	1.2	480	460	10	SOT-23
TSM301K12CQ	Single	P-Channel Integrated Schottky	-20	12	-4.5	-1	-	-3	-	-	94	-	131	-	185	-	-	5.2	1.36	0.6	5	9.7	19	TDFN 2x2

TRANSISTORS

TRANSISTORS

(T_A=25°C unless otherwise noted)

Part Number	Polarity	V _{CEO}	V _{CBO}	V _{EBO}	I _C	DC Current Gain (Min.)	DC Current Gain (Max.)	V _{CE} (Sat.)	Package Description
		(V)			(A)	h _{FE}		(V)	
BC338-16	NPN	25	30	5	0.8	100	250	0.7	TO-92
BC338-25	NPN	25	30	5	0.8	160	400	0.7	TO-92
BC338-40	NPN	25	30	5	0.8	250	630	0.7	TO-92
BC548A	NPN	30	30	6	0.1	110	220	-	TO-92
BC548B	NPN	30	30	6	0.1	200	450	-	TO-92
BC548C	NPN	30	30	6	0.1	420	800	-	TO-92
BC549A	NPN	30	30	6	0.1	110	220	-	TO-92
BC549B	NPN	30	30	6	0.1	200	450	-	TO-92
BC549C	NPN	30	30	6	0.1	420	800	-	TO-92
BC848A	NPN	30	30	6	0.1	110	220	0.5	SOT-23
BC848AW	NPN	30	30	5	0.1	110	220	0.77	SOT-323
BC848B	NPN	30	30	6	0.1	200	450	0.5	SOT-23
BC848BW	NPN	30	30	5	0.1	200	450	0.77	SOT-323
BC848C	NPN	30	30	6	0.1	420	800	0.5	SOT-23
BC848CW	NPN	30	30	5	0.1	420	800	0.77	SOT-323
BC849AW	NPN	30	30	5	0.1	110	220	0.77	SOT-323
BC849BW	NPN	30	30	5	0.1	200	450	0.77	SOT-323
BC849CW	NPN	30	30	5	0.1	420	800	0.77	SOT-323
MMBT3904	NPN	40	60	6	0.2	100	400	0.3	SOT-23
TSC2411CX	NPN	40	60	5	0.6	82	560	0.5	SOT-23
MMBT2222A	NPN	40	75	6	0.6	50	300	1	SOT-23
BC550A	NPN	45	45	6	0.1	110	220	-	TO-92
BC550B	NPN	45	45	6	0.1	200	450	-	TO-92
BC550C	NPN	45	45	6	0.1	420	800	-	TO-92
BC547A	NPN	45	50	6	0.1	110	220	-	TO-92
BC547B	NPN	45	50	6	0.1	200	450	-	TO-92
BC547C	NPN	45	50	6	0.1	420	800	-	TO-92
BC847A	NPN	45	50	6	0.1	110	220	0.5	SOT-23
BC847AW	NPN	45	50	6	0.1	110	220	0.77	SOT-323
BC847B	NPN	45	50	6	0.1	200	450	0.5	SOT-23
BC847BW	NPN	45	50	6	0.1	200	450	0.77	SOT-323
BC847C	NPN	45	50	6	0.1	420	800	0.5	SOT-23
BC847CW	NPN	45	50	6	0.1	420	800	0.77	SOT-323
BC850AW	NPN	45	50	5	0.1	110	220	0.77	SOT-323
BC850BW	NPN	45	50	5	0.1	200	450	0.77	SOT-323
BC850CW	NPN	45	50	5	0.1	420	800	0.77	SOT-323
BC817-16	NPN	45	50	5	0.5	100	250	0.7	SOT-23
BC817-16W	NPN	45	50	5	0.5	100	250	0.7	SOT-323
BC817-25	NPN	45	50	5	0.5	160	400	0.7	SOT-23
BC817-25W	NPN	45	50	5	0.5	160	400	0.7	SOT-323
BC817-40	NPN	45	50	5	0.5	250	600	0.7	SOT-23
BC817-40W	NPN	45	50	5	0.5	250	600	0.7	SOT-323
BC337-16	NPN	45	50	5	0.8	100	250	0.7	TO-92
BC337-25	NPN	45	50	5	0.8	160	400	0.7	TO-92
BC337-40	NPN	45	50	5	0.8	250	630	0.7	TO-92

Part Number	Polarity	V _{CEO}	V _{CBO}	V _{EBO}	I _C	DC Current Gain (Min.)	DC Current Gain (Max.)	V _{CE} (Sat.)	Package Description
		(V)			(A)	h _{FE}		(V)	
2SC5658-Q	NPN	50	60	7	0.15	120	270	0.4	SOT-723
2SC5658-R	NPN	50	60	7	0.15	180	390	0.4	SOT-723
2SC5658-S	NPN	50	60	7	0.15	270	560	0.4	SOT-723
KTC3198-BL	NPN	50	60	5	0.15	70	140	0.25	TO-92
KTC3198-GR	NPN	50	60	5	0.15	120	240	0.25	TO-92
KTC3198-O	NPN	50	60	5	0.15	200	400	0.25	TO-92
KTC3198-Y	NPN	50	60	5	0.15	300	700	0.25	TO-92
TS2150ACY	NPN	50	80	6	3	200	400	0.5	SOT-89
MMBT405	NPN	60	60	4	0.5	100	400	0.25	SOT-23
BC546A	NPN	65	80	6	0.1	110	220	-	TO-92
BC546B	NPN	65	80	6	0.1	200	450	-	TO-92
BC546C	NPN	65	80	6	0.1	420	800	-	TO-92
BC846A	NPN	65	80	6	0.1	110	220	0.5	SOT-23
BC846AW	NPN	65	80	6	0.1	110	220	0.77	SOT-323
BC846B	NPN	65	80	6	0.1	200	450	0.5	SOT-23
BC846BW	NPN	65	80	6	0.1	200	450	0.77	SOT-323
BC846CW	NPN	65	80	6	0.1	420	800	0.77	SOT-323
TSC5988CT	NPN	150	150	6	6	100	300	0.55	TO-92
TSC4505CX	NPN	400	400	6	0.3	100	270	0.5	SOT-23
TSC873CT	NPN	400	600	9	0.3	80	-	0.5	TO-92
TSC873CW	NPN	400	600	7	0.3	80	-	0.5	SOT-223
TSC966CT	NPN	400	600	7	0.3	100	300	0.5	TO-92
TSC966CW	NPN	400	600	7	0.3	100	300	0.5	SOT-223
TS13002ACT	NPN	400	700	9	0.3	20	40	1.5	TO-92
TS13003BCT	NPN	400	700	9	1.5	20	40	3	TO-92
TS13003CT	NPN	400	700	9	1.5	20	40	3	TO-92
TSC5302DCH	NPN	400	700	9	2	8	25	3	TO-251
TSC5302DCP	NPN	400	700	9	2	8	25	3	D-PAK (TO-252)
TSC136CZ	NPN	400	700	9	3	10	40	1	TO-220
TSC5303DCH	NPN	400	700	9	3	8	25	3	TO-251
TSC5303DCP	NPN	400	700	9	3	8	25	3	D-PAK (TO-252)
TS13005CI	NPN	400	700	9	4	10	25	1	ITO-220
TS13005CK	NPN	400	700	9	3	10	25	1	TO-126
TS13005CZ	NPN	400	700	9	4	10	25	1	TO-220
TSC128DCM	NPN	400	700	9	4	8	25	3	D ² -PAK (TO-263)
TSC128DCZ	NPN	400	700	9	4	8	25	3	TO-220
TSC5304DCH	NPN	400	700	9	4	8	25	3	TO-251
TSC5304DCP	NPN	400	700	9	4	8	25	3	D-PAK (TO-252)
TSC5304EDCH	NPN	400	700	9	4	8	25	3	TO-251
TSC5304EDCP	NPN	400	700	9	4	8	25	3	D-PAK (TO-252)
TS13007BCZ	NPN	400	700	9	8	25	50	3	TO-220
TSC148DCI	NPN	400	700	9	8	8	25	3	ITO-220
TSC148DCM	NPN	400	700	9	8	8	25	3	D ² -PAK (TO-263)
TSC148DCZ	NPN	400	700	9	8	8	25	3	TO-220
TS13003MVCT	NPN	400	800	9	1.5	15	40	1.5	TO-92

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Part Number	Polarity	V _{CEO}	V _{CBO}	V _{EBO}	I _C	DC Current Gain (Min.)	DC Current Gain (Max.)	V _{CE} (Sat.)	Package Description
		(V)			(A)	h _{FE}		(V)	
TS13002HVCT	NPN	400	900	9	0.8	15	40	1.5	TO-92
TS13003ACK	NPN	450	700	9	2	15	35	3	TO-126
TSC5802DCH	NPN	450	1,050	15	2.5	18	100	3	TO-251
TSC5802DCP	NPN	450	1,050	15	2.5	18	100	3	D-PAK (TO-252)
TSC741CZ	NPN	450	1,050	15	2.5	18	100	2	TO-220
TSC5804DCH	NPN	450	1,050	15	5	25	100	2	TO-251
TSC5804DCP	NPN	450	1,050	15	5	25	100	2	D-PAK (TO-252)
TSC742CZ	NPN	450	1,050	15	5	23	100	1.5	TO-220
TS13003HVCT	NPN	530	900	9	1.5	15	40	3	TO-92
TSC1203ECM	NPN	550	1,050	9	5	14	32	1.5	D ² -PAK (TO-263)
TSA1765CW	PNP	-600	-560	-7	-0.15	80	300	-0.5	SOT-223
TSA874CW	PNP	-500	-500	-5	-0.15	100	300	-0.5	SOT-223
TSA884CX	PNP	-500	-500	-5	-0.15	100	300	-0.5	SOT-23
TSA894CT	PNP	-500	-500	-5	-0.15	100	300	-0.5	TO-92
BC856A	PNP	-65	-80	-5	-0.1	125	250	-0.65	SOT-23
BC856B	PNP	-65	-80	-5	-0.1	220	475	-0.65	SOT-23
MMBT2907A	PNP	-60	-60	-5	-0.6	50	100	-0.4	SOT-23
2SA2029-Q	PNP	-50	-60	-6	-0.15	120	270	-0.5	SOT-723
2SA2029-R	PNP	-50	-60	-6	-0.15	180	390	-0.5	SOT-723
2SA2029-S	PNP	-50	-60	-6	-0.15	270	560	-0.5	SOT-723
BC807-16	PNP	-45	-50	-5	-0.5	100	250	-0.7	SOT-23
BC807-25	PNP	-45	-50	-5	-0.5	160	400	-0.7	SOT-23
BC807-40	PNP	-45	-50	-5	-0.5	250	600	-0.7	SOT-23
BC857A	PNP	-45	-50	-5	-0.1	125	250	-0.65	SOT-23
BC857B	PNP	-45	-50	-5	-0.1	220	475	-0.65	SOT-23
BC857C	PNP	-45	-50	-5	-0.1	420	800	-0.65	SOT-23
BC807-16W	PNP	-45	-50	-5	0.5	100	250	0.7	SOT-323
BC807-25W	PNP	-45	-50	-5	0.5	160	400	0.7	SOT-323
BC807-40W	PNP	-45	-50	-5	0.5	250	600	0.7	SOT-323
TSA5888CY	PNP	-40	-50	-7.5	-5.5	200	560	-1.2	SOT-89
MMBT3906	PNP	-40	-40	-5	-0.2	100	300	-0.4	SOT-23
TSB772CK	PNP	-30	-50	-5	-3	160	500	-0.5	TO-126
TSA1036CX	PNP	-30	-40	-5	-0.6	82	560	-0.5	SOT-23
BC858A	PNP	-30	-30	-5	-0.1	125	250	-0.65	SOT-23
BC858B	PNP	-30	-30	-5	-0.1	220	475	-0.65	SOT-23
BC858C	PNP	-30	-30	-5	-0.1	420	800	-0.65	SOT-23

(T_A=25°C unless otherwise noted)

Part Number	Polarity	R1	R2	P _D	I _O	V _{CBO}	V _{CEO}	V _{EBO}	G _i (Min.)	G _i (Max.)	G _i @ I _O (mA)	f _i (Typ.) (MHz)	Package Description
		(kΩ)		(mW)	(mA)	(V)							
DTC113ZCA	NPN	1	10	200	100	-	50	10	33	-	5	250	SOT-23
DTC123YCA	NPN	2.2	10	200	100	-	50	12	33	-	10	250	SOT-23
DTC123JCA	NPN	2.2	47	200	100	-	50	12	80	-	10	250	SOT-23
DTC143XCA	NPN	4.7	10	200	100	-	50	20	30	-	-10	250	SOT-23
DTC143ZCA	NPN	4.7	47	200	100	-	50	30	80	-	-10	250	SOT-23
DTC143TCA	NPN	4.7	-	200	100	50	50	5	100	600	1	250	SOT-23
DTC114WCA	NPN	10	4.7	200	100	-	50	30	24	-	10	250	SOT-23
DTC114ECA	NPN	10	10	200	100	-	50	40	30	-	5	250	SOT-23
DTC114YCA	NPN	10	47	200	100	-	50	40	68	-	5	250	SOT-23
DTC114TCA	NPN	10	-	200	100	50	50	5	100	600	1	250	SOT-23
DTC144ECA	NPN	47	47	200	100	-	50	40	68	-	5	250	SOT-23
DTC144TCA	NPN	47	-	200	100	50	50	5	100	600	1	250	SOT-23
DTC113ZUA	NPN	1	10	200	100	-	50	10	33	-	5	250	SOT-323
DTC123YUA	NPN	2.2	10	200	100	-	50	12	33	-	10	250	SOT-323
DTC123JUA	NPN	2.2	47	200	100	-	50	12	80	-	10	250	SOT-323
DTC143XUA	NPN	4.7	10	200	100	-	50	20	30	-	-10	250	SOT-323
DTC143ZUA	NPN	4.7	47	200	100	-	50	30	80	-	-10	250	SOT-323
DTC143TUA	NPN	4.7	-	200	100	50	50	5	100	600	1	250	SOT-323
DTC114WUA	NPN	10	4.7	200	100	-	50	30	24	-	10	250	SOT-323
DTC114EUA	NPN	10	10	200	100	-	50	40	30	-	5	250	SOT-323
DTC114YUA	NPN	10	47	200	100	-	50	40	68	-	5	250	SOT-323
DTC114TUA	NPN	10	-	200	100	50	50	5	100	600	1	250	SOT-323
DTC144EUA	NPN	47	47	200	100	-	50	40	68	-	5	250	SOT-323
DTC144TUA	NPN	47	-	200	100	50	50	5	100	600	1	250	SOT-323
DTC113ZE	NPN	1	10	150	100	-	50	10	33	-	5	250	SOT-523
DTC123JE	NPN	2.2	4.7	150	100	-	50	12	80	-	10	250	SOT-523
DTC123YE	NPN	2.2	10	150	100	-	50	12	33	-	10	250	SOT-523
DTC143XE	NPN	4.7	10	150	100	-	50	20	30	-	-10	250	SOT-523
DTC143ZE	NPN	4.7	47	150	100	-	50	30	80	-	-10	250	SOT-523
DTC143TE	NPN	4.7	-	150	100	50	50	5	100	600	1	250	SOT-523
DTC114WE	NPN	10	4.7	150	100	-	50	30	24	-	10	250	SOT-523
DTC114EE	NPN	10	10	150	100	-	50	40	30	-	5	250	SOT-523
DTC114YE	NPN	10	47	150	100	-	50	40	68	-	5	250	SOT-523
DTC114TE	NPN	10	-	150	100	50	50	5	100	600	1	250	SOT-523
DTC144EE	NPN	47	47	150	100	-	50	40	68	-	5	250	SOT-523
DTC144TE	NPN	47	-	150	100	50	50	5	100	600	1	250	SOT-523
DTC113ZM	NPN	1	10	100	-100	-	50	10	33	-	5	250	SOT-723
DTC143XM	NPN	4.7	10	100	100	-	50	20	30	-	-10	250	SOT-723
DTC143ZM	NPN	4.7	47	100	100	-	50	30	80	-	-10	250	SOT-723
DTC143TM	NPN	4.7	-	100	100	50	50	5	100	600	1	250	SOT-723
DTC114WM	NPN	10	4.7	100	100	-	50	30	24	-	10	250	SOT-723
DTC114EM	NPN	10	10	100	100	-	50	40	30	-	5	250	SOT-723
DTC114TM	NPN	10	-	100	100	50	50	5	100	600	1	250	SOT-723
DTC144EM	NPN	47	47	100	100	-	50	40	68	-	5	250	SOT-723
DTC144TM	NPN	47	-	100	100	50	50	5	100	600	1	250	SOT-723
DTC113ZSA	NPN	1	10	300	100	-	50	10	33	-	5	250	TO-92S

DIGITAL TRANSISTORS

Part Number	Polarity	R1	R2	P _D	I _O	V _{CBO}	V _{CEO}	V _{EBO}	G _i (Min.)	G _i (Max.)	G _i @ I _O	f _r (Typ.)	Package Description
		(kΩ)	(mW)	(mA)	(V)	(mA)	(MHz)						
DTC123YSA	NPN	2.2	10	300	100	-	50	12	33	-	10	250	TO-92S
DTC123JSA	NPN	2.2	47	300	100	-	50	12	80	-	10	250	TO-92S
DTC143XSA	NPN	4.7	10	300	100	-	50	20	30	-	-10	250	TO-92S
DTC143ZSA	NPN	4.7	47	300	100	-	50	30	80	-	-10	250	TO-92S
DTC143TSA	NPN	4.7	-	300	100	50	50	5	100	600	1	250	TO-92S
DTC114WSA	NPN	10	4.7	300	100	-	50	30	24	-	10	250	TO-92S
DTC114ESA	NPN	10	10	300	100	-	50	40	30	-	5	250	TO-92S
DTC114YSA	NPN	10	47	300	100	-	50	40	68	-	5	250	TO-92S
DTC114TSA	NPN	10	-	300	100	50	50	5	100	600	1	250	TO-92S
DTC144ESA	NPN	47	47	300	100	-	50	40	68	5	5	250	TO-92S
DTC144TSA	NPN	47	-	300	100	50	50	5	100	600	1	250	TO-92S
UMH11N	NPN+NPN	10	10	150	100	-	50	40	30	-	5	250	SOT-363
DTA123YCA	PNP	2.2	10	200	-100	-	-50	5	33	-	-10	250	SOT-23
DTA123JCA	PNP	2.2	47	200	-100	-	-50	5	80	-	-10	250	SOT-23
DTA143ECA	PNP	4.7	4.7	200	-100	-	-50	10	30	-	-10	250	SOT-23
DTA143XCA	PNP	4.7	10	200	-100	-	-50	7	30	-	-10	250	SOT-23
DTA143ZCA	PNP	4.7	47	200	-100	-	-50	5	80	-	-10	250	SOT-23
DTA143TCA	PNP	4.7	-	200	-100	-50	-50	-5	100	600	-1	250	SOT-23
DTA114ECA	PNP	10	10	200	-100	-	-50	10	30	-	-5	250	SOT-23
DTA114YCA	PNP	10	47	200	-100	-	-50	6	68	-	-5	250	SOT-23
DTA114TCA	PNP	10	-	200	-100	-50	-50	-5	100	600	-1	250	SOT-23
DTA124ECA	PNP	22	22	200	-30	-	-50	10	56	-	-5	250	SOT-23
DTA144ECA	PNP	47	47	200	100	-	-50	10	68	-	-10	250	SOT-23
DTA144TCA	PNP	47	-	200	-100	-50	-50	-5	100	600	-1	250	SOT-23
DTA123YUA	PNP	2.2	10	200	-100	-	-50	5	33	-	-10	250	SOT-323
DTA123JUA	PNP	2.2	47	200	-100	-	-50	5	80	-	-10	250	SOT-323
DTA143EUA	PNP	4.7	4.7	200	-100	-	-50	10	30	-	-10	250	SOT-323
DTA143XUA	PNP	4.7	10	200	-100	-	-50	7	30	-	-10	250	SOT-323
DTA143ZUA	PNP	4.7	47	200	-100	-	-50	5	80	-	-10	250	SOT-323
DTA143TUA	PNP	4.7	-	200	-100	-50	-50	-5	100	600	-1	250	SOT-323
DTA114EUA	PNP	10	10	200	-100	-	-50	10	30	-	-5	250	SOT-323
DTA114YUA	PNP	10	47	200	-100	-	-50	6	68	-	-5	250	SOT-323
DTA114TUA	PNP	10	-	200	-100	-50	-50	-5	100	600	-1	250	SOT-323
DTA124EUA	PNP	22	22	200	-30	-	-50	10	56	-	-5	250	SOT-323
DTA144EUA	PNP	47	47	200	-100	-	-50	10	68	-	-10	250	SOT-323
DTA144TUA	PNP	47	-	200	-100	-50	-50	-5	100	600	-1	250	SOT-323
DTA123YE	PNP	2.2	10	150	-100	-	-50	-	33	-	-10	250	SOT-523
DTA123JE	PNP	2.2	47	150	-100	-	-50	5	80	-	-10	250	SOT-523
DTA143EE	PNP	4.7	4.7	150	-100	-	-50	10	30	-	-10	250	SOT-523
DTA143XE	PNP	4.7	10	150	-100	-	-50	7	30	-	-10	250	SOT-523
DTA143ZE	PNP	4.7	47	150	-100	-	-50	5	80	-	-10	250	SOT-523
DTA143TE	PNP	4.7	-	150	-100	-50	-50	-5	100	600	-1	250	SOT-523
DTA114EE	PNP	10	10	150	-100	-	-50	10	30	-	-5	250	SOT-523
DTA114YE	PNP	10	47	150	-100	-	-50	6	68	-	-5	250	SOT-523
DTA114TE	PNP	10	-	150	-100	-50	-50	-5	100	600	-1	250	SOT-523
DTA124EE	PNP	22	22	150	-100	-	-50	10	56	-	-5	250	SOT-523
DTA144EE	PNP	47	47	150	-100	-	-50	10	68	-	-10	250	SOT-523

DIGITAL TRANSISTORS

Part Number	Polarity	R1	R2	P _D	I _O	V _{CBO}	V _{CEO}	V _{EBO}	G _i (Min.)	G _i (Max.)	G _i @ I _O	f _r (Typ.)	Package Description
		(kΩ)	(mW)	(mA)	(V)	(mA)	(MHz)						
DTA144TE	PNP	47	-	150	-100	-50	-50	-5	100	600	-1	250	SOT-523
DTA123YM	PNP	2.2	10	100	-100	-	-50	5	33	-	-10	250	SOT-723
DTA123JM	PNP	2.2	47	100	-100	-	-50	5	80	-	-10	250	SOT-723
DTA143EM	PNP	4.7	4.7	100	-100	-	-50	10	30	-	-10	250	SOT-723
DTA143XM	PNP	4.7	10	100	-100	-	-50	7	30	-	-10	250	SOT-723
DTA143ZM	PNP	4.7	47	100	-100	-	-50	5	80	-	-10	250	SOT-723
DTA143TM	PNP	4.7	-	100	-100	-50	-50	-5	100	600	-1	250	SOT-723
DTA114EM	PNP	10	10	100	-50	-	-50	10	30	-	-5	250	SOT-723
DYA114YM	PNP	10	47	100	-100	-	-50	6	68	-	-5	250	SOT-723
DTA114TM	PNP	10	-	100	-100	-50	-50	-5	100	600	-1	250	SOT-723
DTA124EM	PNP	22	22	100	-100	-	-50	10	56	-	-5	250	SOT-723
DTA144EM	PNP	47	47	100	-100	-	-50	10	68	-	-10	250	SOT-723
DTA144TM	PNP	47	-	100	-100	-50	-50	-5	100	600	-1	250	SOT-723
DTA123YSA	PNP	2.2	10	300	-100	-	-50	5	33	-	-10	250	TO-92S
DTA123JSA	PNP	2.2	47	300	-100	-	-50	5	80	-	-10	250	TO-92S
DTA143ESA	PNP	4.7	4.7	300	-100	-	-50	10	30	-	-10	250	TO-92S
DTA143XSA	PNP	4.7	10	300	-100	-	-50	7	30	-	-10	250	TO-92S
DTA143ZSA	PNP	4.7	47	300	-100	-	-50	5	80	-	-10	250	TO-92S
DTA143TSA	PNP	4.7	-	300	-100	-50	-50	-5	100	600	-1	250	TO-92S
DTA114ESA	PNP	10	10	300	-100	-	-50	10	30	-	-5	250	TO-92S
DTA114YSA	PNP	10	47	300	-100	-	-50	6	68	-	-5	250	TO-92S
DTA114TSA	PNP	10	-	300	-100	-50	-50	-5	100	600	-1	250	TO-92S
DTA124ESA	PNP	22	22	300	-100	-	-50	10	56	-	-5	250	TO-92S
DTA144ESA	PNP	47	47	300	-100	-	-50	10	68	-	-10	250	TO-92S
DTA144TSA	PNP	47	-	300	-100	-50	-50	-	100	600	-1	250	TO-92S

THYRISTORS

ANALOG ICs

(T_A=25°C unless otherwise noted)

Part No.	V _{DRM} & V _{RRM}	I _{TSM}	P _{GM}	V _{GRM}	I _{DRM} & I _{RRM}	V _{TM}	I _{GFM}	Packages Description	Arrays
	(V)	(A)	(W)	(V)	(μA)	(V)	(A)		
MCR100-3	100	10	0.1	5	10	1.7	1	TO-92	KGA
MCR100-4	200	10	0.1	5	10	1.7	1	TO-92	KGA
MCR100-5	300	10	0.1	5	10	1.7	1	TO-92	KGA
MCR100-6	400	10	0.1	5	10	1.7	1	TO-92	KGA
MCR100-7	500	10	0.1	5	10	1.7	1	TO-92	KGA
MCR100-8	600	10	0.1	5	10	1.7	1	TO-92	KGA

AMPLIFIERS

(T_A=25°C unless otherwise noted)

Part Number	Channel	Supply Voltage (Vcc)		Supply Current per Channel (Vcc)		Input Offset Voltage		Input Bias Current		Gain Bandwidth Product	Slew Rate	Output Current Source (Typ.)	Package Description
		(Min.)	(Max.)	(Min.)	(Max.)	(Min.)	(Max.)	(Min.)	(Max.)				
		(V)		(mA)		(mV)		(nA)					
TS321CX5	Single	-	32	0.7	1.2	2	7	45	50	1	0.4	40	SOT-25
TS324CD14	Quad	-	32	0.7	1.2	2	5	-90	-250	1	0.4	40	DIP-14
TS324CS14	Quad	-	32	0.7	1.2	2	5	-90	-250	1	0.4	40	SOP-14
TS358CD	Dual	-	32	0.7	1.2	2	7	-45	-250	1	0.4	40	DIP-8
TS358CS	Dual	-	32	0.7	1.2	2	7	-45	-250	1	0.4	40	SOP-8
TS34119CS	Single	2	16	-	-	-	-	-200	-	1.5	-	-	SOP-8
TS34118CS28	Single	3.5	6.5	5.5	8	-	-	-40	-	1	-	-	SOP-28

COMPARATORS

(T_A=25°C unless otherwise noted)

Part Number	Channel	Supply Voltage (Vcc)		Supply Current per Channel (Vcc)		Input Offset Voltage		Input Bias Current (Typ.)		Response Time	Input Common Mode Voltage Range		Package Description
		(Min.)	(Max.)	(Min.)	(Max.)	(Min.)	(Max.)	(Min.)	(Max.)				
		(V)		(mA)		(mV)		(nA)			(μS)	(V)	
TS331CX5	Single	-	36	0.4	1	2	5	-	250	1.3	-	1.5	SOT-25
TS339CD14	Quad	-	36	0.8	1	2	5	25	250	1.3	-	1.5	DIP-14
TS339CS14	Quad	-	36	0.8	1	2	5	25	250	1.3	-	1.5	SOP-14
TS393CD	Dual	-	36	0.4	1	2	5	-	250	1.3	-	1.5	DIP-8
TS393CS	Dual	-	36	0.4	1	2	5	-	250	1.3	0.4	40	SOP-8

(T_A=25°C unless otherwise noted)

Part Number	Supply Voltage (Vcc)		Reset Output Type	Reset Threshold Voltage V _{th} (Typ.)	Supply Current I _{cc}	Accuracy of Reset Threshold Voltage V _{th}	Package Description
	(Min.)	(Max.)		(V)	(nA)	(± %)	
	(V)			(V)	(nA)	(± %)	
TS3809CXA	1	6	Active-Low, Push-pull	4.63	25	2	SOT-23
TS3809CXB	1	6	Active-Low, Push-pull	4.38	25	2	SOT-23
TS3809CXC	1	6	Active-Low, Push-pull	4.00	25	2	SOT-23
TS3809CXD	1	6	Active-Low, Push-pull	3.08	25	2	SOT-23
TS3809CXE	1	6	Active-Low, Push-pull	2.93	25	2	SOT-23
TS3809CXF	1	6	Active-Low, Push-pull	2.63	25	2	SOT-23
TS3809CXG	1	6	Active-Low, Push-pull	2.25	25	2	SOT-23
TS3810CXA	1	6	Active-High, Push-pull	4.63	25	2	SOT-23
TS3810CXB	1	6	Active-High, Push-pull	4.38	25	2	SOT-23
TS3810CXC	1	6	Active-High, Push-pull	4.00	25	2	SOT-23
TS3810CXD	1	6	Active-High, Push-pull	3.08	25	2	SOT-23
TS3810CXE	1	6	Active-High, Push-pull	2.93	25	2	SOT-23
TS3810CXF	1	6	Active-High, Push-pull	2.63	25	2	SOT-23
TS3810CXG	1	6	Active-High, Push-pull	2.25	25	2	SOT-23

Part Number	Supply Voltage (Vcc)		Input Offset Voltage (Max.)	Reference Voltage V _{ref} (Typ.)	Accuracy of Reference Voltage V _{ref}	Package Description
	(Min.)	(Max.)				
	(V)					
TS103ACS	3	18	2	2.5	0.4	SOP-8
TS103CS	3	18	3	2.5	1	SOP-8

VOLTAGE REGULATORS

VOLTAGE REGULATORS

(T_A=25°C unless otherwise noted)

Part Number	Supply Voltage (Vcc)		Output Voltage (V _{out})	Output Current I _{out} (Typ.)	Dropout Voltage V _{drop} (Typ.)	Quiescent Current I _q (Typ.)	Output Voltage Accuracy	Package Description
	(Min.)	(Max.)						
	(V)		(V)	(A)	(V)	(μA)	(± %)	
TS1117BCP	-	15	Adj (1.25V Vref)	1	1.3	5,000	2	D-PAK (TO-252)
TS1117BCP33	-	15	3.3	1	1.3	5,000	2	D-PAK (TO-252)
TS1117BCP50	-	15	5	1	1.3	5,000	2	D-PAK (TO-252)
TS1117BCS33	-	15	3.3	1	1.3	5,000	2	SOP-8
TS1117BCW	-	15	Adj (1.25V Vref)	1	1.3	5,000	2	SOT-223
TS1117BCW12	-	15	1.2	1	1.3	5,000	2	SOT-223
TS1117BCW18	-	15	1.8	1	1.3	5,000	2	SOT-223
TS1117BCW25	-	15	2.5	1	1.3	5,000	2	SOT-223
TS1117BCW33	-	15	3.3	1	1.3	5,000	2	SOT-223
TS1117BCW50	-	15	5	1	1.3	5,000	2	SOT-223
TS29152CM5	-	26	Adj (1.25V Vref)	1.5	0.35	2,200	2	D ² -PAK (TO-263-5L)
TS29152CZ5	-	26	Adj (1.25V Vref)	1.5	0.35	2,200	2	TO-220-5L
TS2937CM33	-	26	3.3	0.5	0.6	2,500	2	D ² -PAK (TO-263AB)
TS2937CM50	-	26	5	0.5	0.6	2,500	2	D ² -PAK (TO-263AB)
TS2937CP33	-	26	3.3	0.5	0.6	2,500	2	D-PAK (TO-252)
TS2937CP50	-	26	5	0.5	0.6	2,500	2	D-PAK (TO-252)
TS2937CW33	-	26	3.3	0.5	0.6	2,500	2	SOT-223
TS2937CW50	-	26	5	0.5	0.6	2,500	2	SOT-223
TS2937CZ33	-	26	3.3	0.5	0.6	2,500	2	TO-220
TS2937CZ50	-	26	5	0.5	0.6	2,500	2	TO-220
TS2938CS33	-	26	3.3	0.5	0.5	2,500	2	SOP-8
TS2938CS50	-	26	5	0.5	0.5	2,500	2	SOP-8
TS2940CM33	-	26	3.3	1	0.6	7,500	2	D ² -PAK (TO-263AB)
TS2940CM50	-	26	5	1	0.6	7,500	2	D ² -PAK (TO-263AB)
TS2940CP33	-	26	3.3	1	0.6	7,500	2	D-PAK (TO-252)
TS2940CP50	-	26	5	1	0.6	7,500	2	D-PAK (TO-252)
TS2940CW33	-	26	3.3	1	0.6	7,500	2	SOT-223
TS2940CW50	-	26	5	1	0.6	7,500	2	SOT-223
TS2940CZ33	-	26	3.3	1	0.6	7,500	2	TO-220
TS2940CZ50	-	26	5	1	0.6	7,500	2	TO-220
TS2950CT33	-	30	3.3	0.15	0.38	8,000	1.5	TO-92
TS2950CT50	-	30	5	0.15	0.38	8,000	1.5	TO-92
TS2951CS30	-	30	3.0	0.15	0.38	8,000	1.5	SOP-8
TS2951CS33	-	30	3.3	0.15	0.38	8,000	1.5	SOP-8
TS2951CS50	-	30	5	0.15	0.38	8,000	1.5	SOP-8
TS317CM	-	40	Adj (1.25V Vref)	1	2	-	4	D ² -PAK (TO-263AB)
TS317CP	-	40	Adj (1.25V Vref)	0.5	2	-	4	D-PAK (TO-252)
TS317CW	-	40	Adj (1.25V Vref)	0.5	2	-	4	SOT-223
TS317CZ	-	40	Adj (1.25V Vref)	1	2	-	4	TO-220
TS317LCS	-	40	Adj (1.25V Vref)	0.1	2	-	4	SOP-8
TS3480CX33	-	30	3.3	0.1	0.95	3,000	2	SOT-23
TS3480CX50	-	30	3.3	0.1	0.95	3,000	2	SOT-23
TS39100CP50	-	20	5	1	0.4	1,700	2	D-PAK (TO-252)
TS39100CW50	-	20	5	1	0.4	1,700	2	SOT-223
TS39101CS50	-	20	5	1	0.4	1,700	2	SOP-8

Part Number	Supply Voltage (Vcc)		Output Voltage (V _{out})	Output Current I _{out} (Typ.)	Dropout Voltage V _{drop} (Typ.)	Quiescent Current I _q (Typ.)	Output Voltage Accuracy	Package Description
	(Min.)	(Max.)						
	(V)		(V)	(A)	(V)	(μA)	(± %)	
TS39102CS	-	20	Adj (1.25V Vref)	1	0.4	1,700	2	SOP-8
TS39104CS	-	20	Adj (1.25V Vref)	1	0.4	1,700	2	SOP-8
TS4264CW50	-	45	5	0.15	0.25	10,000	2	SOT-223
TS4264CW50	-	45	5	0.15	0.25	1,700	2	SOT-223
TS4274CP50	-	26	5	0.4	0.5	2,500	2	D-PAK (TO-252)
TS5204CQ33	-	20	3.3	0.08	0.3	2,600	3	DFN 2x2
TS5204CQ50	-	20	5	0.08	0.3	2,600	3	DFN 2x2
TS5204CX33	-	20	3.3	0.08	0.3	2,600	4	SOT-23
TS5204CX50	-	20	5	0.08	0.3	2,600	4	SOT-23
TS5204CY50	-	20	5	0.08	0.3	2,600	4	SOT-89
TS5205CX5	-	20	Adj (1.25V Vref)	0.15	0.17	1,300	2	SOT-25
TS5205CX525	-	20	2.5	0.15	0.17	1,300	2	SOT-25
TS5205CX533	-	20	3.3	0.15	0.17	1,300	2	SOT-25
TS5205CX550	-	20	5	0.15	0.17	1,300	2	SOT-25
TS5213CX533	-	20	3.3	0.08	0.32	1,800	3	SOT-25
TS5213CX550	-	20	5	0.08	0.32	1,800	3	SOT-25
TS7805CI	-	35	5	1	2	4,200	4	ITO-220
TS7805CZ	-	35	5	1	2	4,300	4	TO-220
TS7808CI	-	35	8	1	2	4,300	4	ITO-220
TS7808CZ	-	35	8	1	2	4,300	4	TO-220
TS7809CI	-	35	9	1	2	4,300	4	ITO-220
TS7809CZ	-	35	9	1	2	4,300	4	TO-220
TS7812CI	-	35	12	1	2	4,300	4	ITO-220
TS7812CZ	-	35	12	1	2	4,300	4	TO-220
TS7824CZ	-	40	24	1	2	4,300	4	TO-220
TS78L03ACY	-	30	3.0	0.1	2	3,000	4	SOT-89
TS78L03CS	-	30	3.0	0.1	2	3,000	4	SOP-8
TS78L03CT	-	30	3.0	0.1	2	3,000	4	TO-92
TS78L03CX	-	30	3.0	0.1	2	3,000	4	SOT-23
TS78L05ACY	-	35	5	0.1	2	3,000	4	SOT-89
TS78L05CS	-	35	5	0.1	2	3,000	4	SOP-8
TS78L05CT	-	35	5	0.1	2	3,000	4	TO-92
TS78L05CX	-	35	5	0.1	2	3,000	4	SOT-23
TS78L09ACY	-	35	9	0.1	2	3,000	4	SOT-89
TS78L09CS	-	35	9	0.1	2	3,000	4	SOP-8
TS78L09CT	-	35	9	0.1	2	3,000	4	TO-92
TS78L09CX	-	35	9	0.1	2	3,000	4	SOT-23
TS78L12ACY	-	35	12	0.1	2	3,000	4	SOT-89
TS78L12CS	-	35	12	0.1	2	3,000	4	SOP-8
TS78L12CT	-	35	12	0.1	2	3,000	4	TO-92
TS78L15ACY	-	35	15	0.1	2	3,000	4	SOT-89
TS78L15CS	-	35	15	0.1	2	3,000	4	SOP-8
TS78L15CT	-	35	15	0.1	2	3,000	4	TO-92
TS78L24CS	-	40	24	0.1	2	3,000	4	SOP-8
TS78M05ACP	-	35	5	0.5	2	3,000	2	D-PAK (TO-252)

VOLTAGE REGULATORS

Part Number	Supply Voltage (Vcc)		Output Voltage (V _{out})	Output Current I _{out} (Typ.)	Dropout Voltage V _{drop} (Typ.)	Quiescent Current I _q (Typ.)	Output Voltage Accuracy	Package Description
	(Min.)	(Max.)						
	(V)		(V)	(A)	(V)	(μA)	(± %)	
TS78M05CP	-	35	5	0.5	2	3,000	4	D-PAK (TO-252)
TS78M12CP	-	35	12	0.5	2	3,000	4	D-PAK (TO-252)
TS7905CI	-	-35	5	1	2	4,000	4	ITO-220
TS7905CZ	-	-35	5	1	2	4,000	4	TO-220
TS7912CI	-	-35	12	1	2	4,000	4	ITO-220
TS7912CZ	-	-35	12	1	2	4,000	4	TO-220
TS79L05CT	-	-35	5	1	2	4,000	4	TO-92
TS79L05CY	-	-35	5	1	2	4,000	4	SOT-89
TS79L09CT	-	-35	9	1	2	4,000	4	TO-92
TS79M05CP	-	-35	5	0.5	2	4,000	4	D-PAK (TO-252)
TS79M05CZ	-	-35	5	0.5	2	4,000	4	TO-220
TS79M12CP	-	-35	12	0.5	2	4,000	4	D-PAK (TO-252)
TS9005DCX5	2.5	5.5	1.8	0.6	0.35	50	2	SOT-25
TS9005SCX5	2.5	5.5	3.3	0.6	0.35	50	2	SOT-25
TS9008DCX	2.8	5.5	1.8	0.3	0.25	30	2	SOT-23
TS9008DCX5	2.8	5.5	1.8	0.3	0.25	30	2	SOT-25
TS9008SCX	2.8	5.5	3.3	0.3	0.25	30	2	SOT-23
TS9008SCX5	2.8	5.5	3.3	0.3	0.25	30	2	SOT-25
TS9011SCX	-	12	5	0.25	0.4	2	2	SOT-23
TS9011SCY	-	12	5	0.25	0.4	2	2	SOT-89
TS9011ACX	-	12	1.5	0.25	0.4	2	2	SOT-23
TS9011DCX	-	12	1.8	0.25	0.4	2	2	SOT-23
TS9011DCY	-	12	1.8	0.25	0.4	2	2	SOT-89
TS9011KCX	-	12	2.5	0.25	0.4	2	2	SOT-23
TS9011KCY	-	12	2.5	0.25	0.4	2	2	SOT-89
TS9011PCX	-	12	3.0	0.25	0.4	2	2	SOT-23
TS9011PCY	-	12	3.0	0.25	0.4	2	2	SOT-89
TS9011SCX	-	12	3.3	0.25	0.4	2	2	SOT-23
TS9011SCY	-	12	3.3	0.25	0.4	2	2	SOT-89
TS90135CW	-	12	5	0.5	0.3	15	2	SOT-223
TS9013DCW	-	12	1.8	0.5	0.6	15	2	SOT-223
TS9013DCY	-	12	1.8	0.5	0.6	15	2	SOT-89
TS9013KCW	-	12	2.5	0.5	0.6	15	2	SOT-223
TS9013KCY	-	12	2.5	0.5	0.6	15	2	SOT-89
TS9013SCW	-	12	3.3	0.5	0.5	15	2	SOT-223
TS9013SCY	-	12	3.3	0.5	0.5	15	2	SOT-89
TS9015CX5	2	7	Adj (0.9V Vref)	0.3	0.3	50	2	SOT-25
TS9230CS	3	5.5	Adj (0.5V Vref)	3	0.2	15	2	SOP-8EP

SWITCHING REGULATORS

(TA=25°C unless otherwise noted)

Part Number	Topology	Synchronous Rectification	Supply Voltage (Vcc)		Output Voltage (V _{out})	Switch Output Current I _{sw} (Typ.)	Switching Frequency		Quiescent Current (Typ.)	Package Description
			(Min.)	(Max.)			(Min.)	(Max.)		
			(V)		(V)	(A)	(kHz)		(mA)	
TS34063CS	Buck (Step-down)	No	3	40	Adj (1.25V Vref)	1.5	0.1	100	3	SOP-8
TS34063CD	Buck (Step-down)	No	3	40	Adj (1.25V Vref)	1.5	0.1	100	3	DIP-8
TS2596CZ5	Buck (Step-down)	No	4.5	40	Adj (1.23V Vref)	3	-	150	5	TO-220-5L
TS2596CZ533	Buck (Step-down)	No	4.5	40	3	3	-	150	5	TO-220-5L
TS2596CZ550	Buck (Step-down)	No	4.5	40	5	3	-	150	5	TO-220-5L
TS2596CM5	Buck (Step-down)	No	4.5	40	Adj (1.23V Vref)	3	-	150	5	D ² -PAK (TO-263-5L)
TS2596CM533	Buck (Step-down)	No	4.5	40	3	3	-	150	5	D ² -PAK (TO-263-5L)
TS2596CM550	Buck (Step-down)	No	4.5	40	5	3	-	150	5	D ² -PAK (TO-263-5L)
TS2596SCS	Buck (Step-down)	No	4.5	24	Adj (1.23V Vref)	2	-	150	5	SOP-8
TS2596SCS50	Buck (Step-down)	No	4.5	24	5	2	-	150	5	SOP-8
TS2509CS	Buck (Step-down)	No	4.5	23	Adj (0.8V Vref)	3	-	500	3	SOP-8
TS2580CS	Buck (Step-down)	No	4.5	40	Adj (1.23V Vref)	2	-	52	4	SOP-8
TS2581CS	Buck (Step-down)	No	4.5	40	Adj (1V Vref)	External P-MOS	-	100	3	SOP-8
TS3406CX5	Buck (Step-down)	Yes	2.5	6	Adj (0.6V Vref)	0.6	-	1,500	-	SOT-25
TS3410CX5	Buck (Step-down)	Yes	2.5	6	Adj (0.6V Vref)	1	-	1,400	0.25	SOT-25
TS3420CX6	Buck (Step-down)	Yes	2.8	6	Adj (0.6V Vref)	2	-	1,250	0.20	SOT-25
TS3552CS	Buck (Step-down)	Yes	4.75	23	Adj (0.925V Vref)	2	-	350	-	SOP-8
TS3553CS	Buck (Step-down)	Yes	4.75	23	Adj (0.925V Vref)	3	-	350	-	SOP-8EP
TS1935BCX5	Boost (Step-up)	No	2.7	5.5	Adj (1.238V Vref)	1.9	-	1,200	0.15	SOT-25
TS1910CS	Boost (Step-up)	No	2.6	5.5	Adj (1.238V Vref)	2	900	1,500	0.15	SOP-8EP
TS1910ACS	Boost (Step-up)	No	2.6	5.5	Adj (1.238V Vref)	3	900	1,500	0.15	SOP-8EP
TS19375CS	Boost (Step-up)	No	3	24	1	External N-MOS	400	600	4	SOP-8

VOLTAGE REFERENCES

LED DRIVERS

(T_A=25°C unless otherwise noted)

Part Number	Supply Voltage (Vcc)		Reference Voltage V _{ref}	Accuracy of Reference Voltage V _{ref}	Operating Cathode Current I _{ka}		Operating Temperature T _j		Package Description
	(Min.)	(Max.)			(Typ.)	(Max.)	(Min.)	(Max.)	
	(V)				(mA)		(°C)		
TS432BCX	-	18	1.24	0.5	0.02	0.08	0	70	SOT-23
TS432BIX	-	18	1.24	0.5	0.02	0.08	-40	85	SOT-23
TS1431BCX	-	37	2.495	0.5	0.4	0.60	0	70	SOT-23
TS431BCS	-	37	2.495	0.5	0.4	0.60	0	70	SOP-8
TS431BCT	-	37	2.495	0.5	0.4	0.60	0	70	TO-92
TS431BCX	-	37	2.495	0.5	0.4	0.60	0	70	SOT-23
TS431BCX-Z	-	36	2.495	0.5	0.2	0.50	-20	85	SOT-23
TS432ACX	-	18	1.24	1	0.02	0.08	0	70	SOT-23
TS432AIX	-	18	1.24	1	0.02	0.08	-40	105	SOT-23
TS1431ACX	-	37	2.495	1	0.4	0.60	0	70	SOT-23
TS431ACS	-	37	2.495	1	0.4	0.60	0	70	SOP-8
TS431ACT	-	37	2.495	1	0.4	0.60	0	70	TO-92
TS431ACX	-	37	2.495	1	0.4	0.60	0	70	SOT-23
TS431ACX-Z	-	36	2.495	1	0.2	0.50	-20	85	SOT-23
TS431CS	-	37	2.495	2	0.4	0.60	0	70	SOP-8
TS431CT	-	37	2.495	2	0.4	0.60	0	70	TO-92
TS431CX	-	37	2.495	2	0.4	0.60	0	70	SOT-23

(T_A=25°C unless otherwise noted)

Part Number	Topology	Active PFC	Supply Voltage (Vcc)		Switch Output Current ISW (Typ.)	Dimming			Switching Frequency		Package Description
			(Min.)	(Max.)		PWM	LINEAR	TRIAC	(Min.)	(Max.)	
			(V)						A	(kHz)	
TS19371CX6	Boost (Step-up)	-	2.5	18	0.65	Yes	-	-	800	1,600	SOT-26
TS1916CX6	Boost (Step-up)	-	2.5	5.5	1.7	Yes	-	-	750	1,250	SOT-26
TS19375CS	Boost (Step-up)	-	3	24	External N-MOS	Yes	-	-	400	600	SOP-8
TS19376CY5	Buck (Step-down)	-	8	32	1	Yes	-	-	-	1,000	SOT-89-5L
TS19377CS	Buck (Step-down)	-	3.6	23	2	No	-	-	-	330	SOP-8
TS19378CS	Buck (Step-down)	-	8	40	2	Yes	-	-	-	300	SOP-8
TS19601CP5	Linear	-	5	50	Adj~0.7	Yes	-	-	-	-	D-PAK (TO-252-5L)
TS19603CS	Linear	-	5	50	Adj~0.4	Yes	-	-	-	-	SOP-8EP
TS19450CS	Buck (Step-down)	-	8	450	External N-MOS	Yes	Yes	-	-	-	SOP-8
TS19460CS	Buck (Step-down)	-	8	450	External N-MOS	Yes	Yes	-	-	-	SOP-8
TS19451CY	Buck (Step-down)	-	-	475	0.05	-	-	-	-	-	SOT-89
TS19452CS	Buck (Step-down)	-	-	475	0.1	-	-	-	-	-	SOP-8
TS19453CS	Buck (Step-down)	-	-	475	Adj~0.05	-	-	-	-	-	SOP-8
TS19702CX6	Buck (Step-down)	Yes	-	30	External N-MOS	Yes	Yes	-	42	48	SOT-26
TS19720CX6	Buck (Step-down)	Yes	-	40	External N-MOS	-	-	-	40	60	SOT-26
TS19701ACX6	PSR FlyBack	-	-	-	External N-MOS	-	-	-	55	65	SOT-26
TS19704CS	PSR FlyBack	Yes	17.2	19.2	External N-MOS	-	-	-	-	45	SOP-8
TS19705CX6	PSR FlyBack/Buck-Boost	Yes	-	38	External N-MOS	-	-	-	-	45	SOT-26
TS19310A/BCX6*	PSR FlyBack/Buck-Boost	Yes	-	34.5	External N-MOS	-	-	Yes	-	45	SOT-26
TS19340CS14**	Secondary-Side CC/CV Controller	-	-	38	-	Yes	Yes	-	-	-	SOP-14

Note. * - Q4/2014, ** - Q2/2015

HALL SENSORS

(T_A=25°C unless otherwise noted)

Part Number	Type	Supply Voltage (Vcc)		Output Current (mA)	Supply Current Typ (mA)	Bop		Brp		Package Description
		Min (V)	Max (V)			Min (G)	Max (G)	Min (G)	Max (G)	
TSH251CT	Omni-Polar	1.65	3.5	1	1.4	-55	55	10	-10	TO-92S
TSH251CX	Omni-Polar	1.65	3.5	1	1.4	-55	55	10	-10	TSOT-23
TSH253CT	Omni-Polar	1.8	6	1	2.6	-60	60	5	-5	TO-92S
TSH253CX	Omni-Polar	1.8	6	1	2.6	-60	60	5	-5	SOT-23
TSH248CX	Omni-Polar	2.5	3.5	2	2.5	6	60	5	59	TSOT-23
TSH282CT	Unipolar	3	24	50	2.5	45	100	25	70	TO-92S
TSH282CX	Unipolar	3	24	50	2.5	45	100	25	70	SOT-23
TSH188CT	Latch	2.5	24	50	5	5	25	-25	-5	TO-92S
TSH188CX	Latch	2.5	24	50	5	5	25	-25	-5	SOT-23
TSH181CT	Latch	3.5	20	25	4	5	90	-90	-5	TO-92S
TSH190CT	Latch	4	30	25	3	10	110	-110	-10	TO-92S
TSH190CX	Latch	4	30	25	3	10	110	-110	-10	SOT-23
TSH481CT	Linear	3	6.5	10	2.5	-800	800	-	-	TO-92S

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