



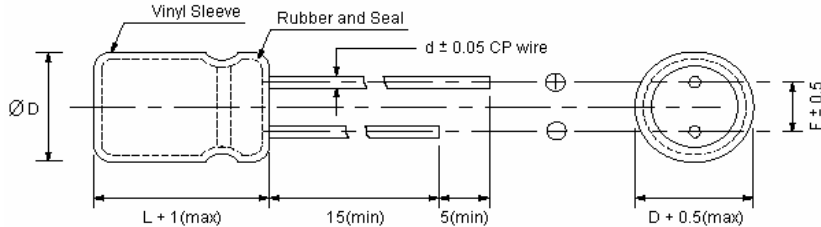
RoHS Compliant ALUMINIUM ELECTROLYTIC CAPACITOR

GS Series

■ **FEATURES**

Wide temperature range series with 7mm height.
 Load life of 1000 hours at 105°C.

■ **OUTLINE**



	mm			
D	4	5	6.3	8
F	1.5	2.0	2.5	3.5
d	0.45		0.50	

■ **SPECIFICATIONS**

Items	Characteristics							
Capacitance Tolerance (120Hz, 25°C)	± 20% (M)							
Rated Working Voltage Range	6.3 ~ 50VDC							
Operation Temperature	-40°C ~ +105°C							
Leakage Current (25°C)	(After 2 minutes applying the DC working voltage)							
	I ≤ 0.01CV or 3 (µA)							
	I : Leakage Current (µA)	C : Rated Capacitance (µF)			V : Working Voltage (V)			
Surge Voltage (25°C)	W.V.	6.3	10	16	25	35	50	
	S.V.	8	13	20	32	44	63	
Dissipation Factor (120Hz, 25°C)	W.V.	6.3	10	16	25	35	50	
	tan d	0.24	0.21	0.18	0.15	0.13	0.11	
Temperature Characteristics	W.V.	6.3	10	16	25	35	50	
	- 25°C / + 25°C	4	3	2	2	2	2	
	- 40°C / + 25°C	8	6	4	4	3	3	
Impedance ratio at 120Hz								
Load Test	After 1000 hours application of WV at +105°C, the capacitor shall meet the following limits.							
	Capacitance Change	≤ ± 25% of initial value						
	tan d	≤ 200% of initial specified value						
	Leakage Current	≤ initial specified value						
Shelf Test	After 500 hours, no voltage applied at +105°C, the capacitor shall meet the following limits.							
	Capacitance Change	≤ ± 25% of initial value						
	tan d	≤ 200% of initial specified value						
	Leakage Current	≤ 200% of initial specified value						



■ **DIMENSIONS**

D x L (mm)

uF \ WV	6.3	10	16	25	35	50
0.1					⇒	4 x 7
0.22					⇒	4 x 7
0.33					⇒	4 x 7
0.47					⇒	4 x 7
1					⇒	4 x 7
2.2					⇒	4 x 7
3.3					⇒	4 x 7
4.7			⇒	4 x 7	4 x 7	5 x 7
10		⇒	4 x 7	4 x 7	5 x 7	5 x 7
22	⇒	4 x 7	4 x 7	5 x 7	6.3 x 7	6.3 x 7
33	⇒	4 x 7	5 x 7	6.3 x 7	6.3 x 7	8 x 7
47	5 x 7	5 x 7	5 x 7	6.3 x 7	8 x 7	
100	6.3 x 7	6.3 x 7	6.3 x 7	8 x 7		
220	8 x 7	8 x 7				

■ **PERMISSIBLE RIPPLE CURRENT**

mA (rms) at 120Hz 105°C

uF \ WV	6.3	10	16	25	35	50
0.1					⇒	1
0.22					⇒	2
0.33					⇒	3
0.47					⇒	5
1					⇒	10
2.2					⇒	19
3.3					⇒	24
4.7			⇒	15	24	29
10		⇒	28	30	32	34
22	⇒	37	41	46	50	53
33	⇒	43	51	56	62	64
47	45	52	66	69	73	
100	65	89	91	96		
220	120	130				