

## MKT MCA

### MKT METALLIZED POLYESTER CAPACITORS

#### General data :

**- Applications:**

Multipurpose applications, blocking, coupling, by-passing, interference suppression.

**- Dielectric:**

Polyester film(Polyethylene Terephthalate), self-regenerating.

**- Plates:**

Aluminium layer deposited by e under vacuum.

**- Winding :**

Non-inductive type.

**- Leads:**

Tinned wire.

$\phi=0,8$  D>7;  $\phi=0,6$  D<=7

**- Protection:**

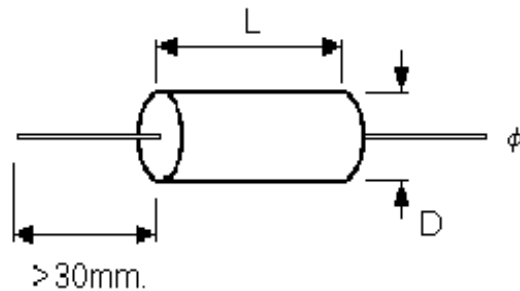
Polyester wrapping with epoxy resin end fill.

**- Technical terms and test:**

IEC 384-1/2 IEC68

**- Climatic category:**

(IEC 68-1) 55/100/56



#### Electrical characteristics:

**- Nominal voltage (Vn dc):**

63-100-250-400-630-1000

**- Dissipation Factor (Df at 25°C):**

1 KHz =  $<100 \times 10^{-4}$

10 KHz =  $<150 \times 10^{-4}$

**- Insulation Resistance (Ri):**

Temperature: 25°C

Voltage charge:

Charge time: 1 minute

100 Vdc for  $V_n \geq 100$ Vdc

500 Vdc for  $V_n \geq 500$ Vdc

$\leq 100$ Vdc

$C \leq 0,1\mu F = 25.000$  Mohm

$C > 0,1\mu F = 2.500$  sec.

$V_n > 100$ Vdc

$C \leq 0,33\mu F = 30.000$  Mohm

$C > 0,33\mu F = 10.000$  sec.

**- Test Voltage:**

(2 seg. at 25°C)  $1,6 \times V_n$

**- Life test:**

Temperature: 85°C

Voltage:  $1,25 \times V_n$

Duration: 1.000 hours

Variations:

Capacitance:  $< 2\%$

Df change:  $< 30 \times 10^{-4}$

Insulation:  $>$  limit value

-Notes: -All dimensions are in mm.

- Other versions available upon request.

**MKT – MCA 100**

Voltage Voltaje	Capacitance Capacidad	Dimensions max. mm Dimesion máx. mm.		dV/dt V/ $\mu$ s	Code Codigo
		D	L		
100Vdc 63 Vac	0,1	6,0	14	5	aMCAS0QC*S6/1
	0,15	6,0	14	5	aMCAS0QC*S6/15
	0,15	4,0	10,5	5	aMCASAQC*S6/15
	0,22	6,5	14	5	aMCAS0QC*S6/22
	0,33	6,5	19	3	aMCAS0QC*S6/33
	0,47	7,0	19	3	aMCAS0QC*S6/47
	0,68	7,5	21	3	aMCAS0QC*S6/68
	1	8,5	21	3	aMCAS0QC*S7/1
	1	8,0	27	2	aMCASAQC*S7/1
	1,5	9,0	27	2	aMCAS0QC*S7/15
	2,2	11,0	27	2	aMCAS0QC*S7/22
	2,2	9,0	27	2	aMCASAQC*S7/22
	3,3	12,0	27	2	aMCAS0QC*S7/33
	4,7	12,0	32	1	aMCAS0QC*S7/47
	6,8	15,5	32	1	aMCAS0QC*S7/68
10	16,0	41	1	aMCAS0QC*S8/1	
15	19,0	41	1	aMCAS0QC*S8/15	

**MKT – MCA 250**

Voltage Voltaje	Capacitance Capacidad	Dimensions max. mm Dimesion máx. mm.		dV/dt V/ $\mu$ s	Code Codigo
		D	L		
250Vdc 160 Vac	0,01	6,0	14	10	aMCAS0SC*S5/1
	0,01	5,0	10,5	10	aMCASCSC*S5/1
	0,015	6,0	14	10	aMCAS0SC*S5/15
	0,022	6,0	14	10	aMCAS0SC*S5/22
	0,033	6,0	14	10	aMCAS0SC*S5/33
	0,047	6,0	14	10	aMCAS0SC*S5/47
	0,068	6,5	14	10	aMCAS0SC*S5/68
	0,1	6,5	14	10	aMCAS0SC*S6/1
	0,15	7,0	14	10	aMCAS0SC*S6/15
	0,22	7,0	19	7	aMCAS0SC*S6/22
	0,33	7,5	21	7	aMCAS0SC*S6/33
	0,47	8,0	21	7	aMCAS0SC*S6/47
	0,47	7,0	19	7	aMCASASC*S6/47
	0,68	7,5	27	4	aMCAS0SC*S6/68
	1	9,5	27	4	aMCAS0SC*S7/1
	1,5	10,0	32	2,5	aMCAS0SC*S7/15
	2,2	12,0	32	2,5	aMCAS0SC*S7/22
	3,3	14,5	32	2,5	aMCAS0SC*S7/33
	4,7	16,0	41	2,5	aMCAS0SC*S7/47
	4,7	13,5	32	2,5	aMCASASC*S7/47
6,8	17,0	41	2,5	aMCAS0SC*S7/68	
10	22,0	41	2,5	aMCAS0SC*S8/1	

**MKT – MCA 400 – 630 - 1000**

Voltage Voltaje	Capacitance Capacidad	Dimensions max. mm Dimesion máx. mm.		dV/dt V/ $\mu$ s	Code Codigo
		D	L		
400 Vdc 200 Vac	0,01	6,0	14	13,5	aMCAS0TC*S5/1
	0,015	6,0	14	13,5	aMCAS0TC*S5/15
	0,022	6,0	14	13,5	aMCAS0TC*S5/22
	0,033	6,0	14	13,5	aMCAS0TC*S5/33
	0,047	6,5	14	13,5	aMCAS0TC*S5/47
	0,068	7,5	19	10	aMCAS0TC*S5/68
	0,1	8,0	19	10	aMCAS0TC*S6/1
	0,15	10,0	19	10	aMCAS0TC*S6/15
	0,22	9,0	27	6,5	aMCAS0TC*S6/22
	0,33	9,0	27	6,5	aMCAS0TC*S6/33
	0,47	11,0	27	6,5	aMCAS0TC*S6/47
	0,68	14,0	32	4	aMCAS0TC*S6/68
	0,68	8,5	27	4	aMCASATC*S6/68
	1	13,0	32	4	aMCAS0TC*S7/1
	1,5	18,0	41	4	aMCAS0TC*S7/15
2,2	19,5	41	4	aMCAS0TC*S7/22	
630Vdc 220 Vac	0,01	6,5	14	20	aMCAS0UC*S5/1
	0,015	7,0	14	20	aMCAS0UC*S5/15
	0,022	7,5	14	20	aMCAS0UC*S5/22
	0,033	6,5	19	15	aMCAS0UC*S5/33
	0,047	7,0	19	15	aMCAS0UC*S5/47
	0,068	7,5	19	15	aMCAS0UC*S5/68
	0,1	8,0	19	15	aMCAS0UC*S6/1
	0,15	8,5	19	15	aMCAS0UC*S6/15
	0,22	9,5	27	10	aMCAS0UC*S6/22
	0,33	10,0	30	6	aMCAS0UC*S6/33
	0,47	11,5	32	6	aMCAS0UC*S6/47
	0,68	12,0	41	6	aMCAS0UC*S6/68
	1	13,5	41	6	aMCAS0UC*S7/1
1000Vdc 250 Vac	0,01	7,0	14	50	aMCAS0VC*S5/1
	0,015	8,0	19	30	aMCAS0VC*S5/15
	0,022	8,5	19	30	aMCAS0VC*S5/22
	0,033	9,0	19	30	aMCAS0VC*S5/33
	0,047	10,0	19	30	aMCAS0VC*S5/47
	0,068	10,5	19	30	aMCAS0VC*S5/68
	0,1	11,0	27	15	aMCAS0VC*S6/1
	0,15	12,0	32	10	aMCAS0VC*S6/15
	0,22	14,5	32	10	aMCAS0VC*S6/22
	0,33	16,5	32	10	aMCAS0VC*S6/33
	0,47	13,5	41	10	aMCAS0VC*S6/47