

## MKT MOA

### 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.

$\phi = 0,8$  B > 5;  $\phi = 0,6$  B < 5

**• Protection:**

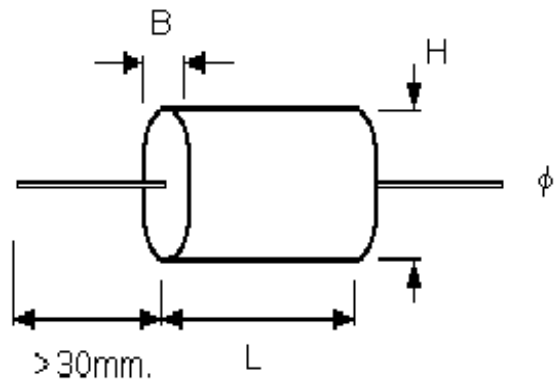
Polyester wrapping with epoxy resin end fill.

**• 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 MOA 100 – 250**

Voltage Voltaje	Capacitance Capacidad	Dimensions max. mm Dimesion máx. mm.			dV/dt V/μs	Code Codigo
		B	H	L		
100Vdc 63 Vac	0,01	4,5	8,0	14,0	5	aMOAS0QC*S5/1
	0,015	4,5	8,0	14,0	5	aMOAS0QC*S5/15
	0,022	4,5	8,0	14,0	5	aMOAS0QC*S5/22
	0,033	4,5	8,0	14,0	5	aMOAS0QC*S5/33
	0,047	4,5	8,0	14,0	5	aMOAS0QC*S5/47
	0,068	4,5	8,0	14,0	5	aMOAS0QC*S5/68
	0,1	4,5	8,0	14,0	5	aMOAS0QC*S6/1
	0,15	4,5	8,0	14,0	5	aMOAS0QC*S6/15
	0,22	4,5	8,0	14,0	5	aMOAS0QC*S6/22
	0,33	4,0	9,0	19,0	3	aMOAS0QC*S6/33
	0,47	5,0	10,0	19,0	3	aMOAS0QC*S6/47
	0,47	5,0	8,0	18,0	3	aMOAS0QC*S6/47
	0,68	6,0	10,0	19,0	3	aMOAS0QC*S6/68
	1	7,0	12,0	19,0	3	aMOAS0QC*S7/1
	1,5	6,0	12,0	27,0	2	aMOAS0QC*S7/15
	2,2	7,0	15,0	27,0	2	aMOAS0QC*S7/22
	3,3	8,0	16,0	27,0	2	aMOAS0QC*S7/33
	4,7	9,0	17,0	32,0	1	aMOAS0QC*S7/47
	6,8	10,0	19,0	32,0	1	aMOAS0QC*S7/68
	10	11,0	21,0	41,0	1	aMOAS0QC*S8/1
15	13,0	24,0	41,0	1	aMOAS0QC*S8/15	
22	16,0	30,0	41,0	1	aMOAS0QC*S8/22	
250Vdc 160 Vac	0,01	4,5	8,0	14,0	10	aMOAS0SC*S5/1
	0,015	4,5	8,0	14,0	10	aMOAS0SC*S5/15
	0,022	4,5	8,0	14,0	10	aMOAS0SC*S5/22
	0,033	4,5	8,0	14,0	10	aMOAS0SC*S5/33
	0,047	4,5	8,0	14,0	10	aMOAS0SC*S5/47
	0,068	4,5	8,0	14,0	10	aMOAS0SC*S5/68
	0,1	4,5	8,0	14,0	10	aMOAS0SC*S6/1
	0,15	4,0	8,0	19,0	7	aMOAS0SC*S6/15
	0,22	4,0	9,0	19,0	7	aMOAS0SC*S6/22
	0,33	5,0	10,0	19,0	7	aMOAS0SC*S6/33
	0,47	5,0	11,0	27,0	4	aMOAS0SC*S6/47
	0,68	5,0	13,0	27,0	4	aMOAS0SC*S6/68
	1	6,0	16,0	27,0	4	aMOAS0SC*S7/1
	1	8,0	16,5	19,0	7	aMOASBSC*S7/1
	1,5	8,0	16,0	27,0	4	aMOAS0SC*S7/15
	2,2	8,5	16,0	27,0	4	aMOAS0SC*S7/22
	3,3	10,0	19,0	32,0	3	aMOAS0SC*S7/33
	4,7	10,0	19,0	41,0	3	aMOAS0SC*S7/47
	6,8	12,0	25,0	41,0	3	aMOAS0SC*S7/68
	10	14,0	30,0	41,0	3	aMOAS0SC*S8/1

**MKT MOA 400 – 630 - 1000**

Voltage Voltaje	Capacitance Capacidad	Dimensions max. mm Dimesion máx. mm.			dV/dt V/μs	Code Codigo
		B	H	L		
400Vdc 200 Vac	0,01	4,5	8,0	14,0	14	aMOAS0TC*S5/1
	0,015	4,5	8,0	14,0	14	aMOAS0TC*S5/15
	0,022	4,5	8,0	14,0	14	aMOAS0TC*S5/22
	0,033	4,5	8,0	14,0	14	aMOAS0TC*S5/33
	0,047	4,5	8,0	14,0	14	aMOAS0TC*S5/47
	0,068	5,0	9,0	19,0	10	aMOAS0TC*S5/68
	0,1	5,0	10,0	19,0	10	aMOAS0TC*S6/1
	0,15	6,0	11,0	19,0	10	aMOAS0TC*S6/15
	0,22	5,0	11,0	27,0	7	aMOAS0TC*S6/22
	0,33	6,0	12,0	27,0	7	aMOAS0TC*S6/33
	0,47	7,0	15,0	27,0	7	aMOAS0TC*S6/47
	0,68	8,0	18,0	27,0	7	aMOAS0TC*S6/68
	1	9,0	17,0	32,0	4	aMOAS0TC*S7/1
	1,5	8,0	23,0	41,0	4	aMOAS0TC*S7/15
	2,2	10,0	23,0	41,0	4	aMOAS0TC*S7/22
		3,3	13,0	27,0	4	aMOAS0TC*S7/33
	4,7	16,0	29,0	4	aMOAS0TC*S7/47	
630Vdc 220 Vac	0,01	4,5	8,0	14,0	20,0	aMOAS0UC*S5/1
	0,015	4,5	8,0	14,0	20,0	aMOAS0UC*S5/15
	0,022	4,5	8,0	14,0	20,0	aMOAS0UC*S5/22
	0,033	4,5	8,0	14,0	20,0	aMOAS0UC*S5/33
	0,047	5,0	9,0	19,0	15,0	aMOAS0UC*S5/47
	0,068	5,0	9,0	19,0	15,0	aMOAS0UC*S5/68
	0,1	5,0	9,0	27,0	10,0	aMOAS0UC*S6/1
	0,1	5,5	9,0	19,0	15,0	aMOASAUC*S6/1
	0,15	6,0	10,0	27,0	10,0	aMOAS0UC*S6/15
	0,15	6,5	11,0	19,0	15,0	aMOASAUC*S6/15
	0,22	6,0	14,0	27,0	10,0	aMOAS0UC*S6/22
	0,22	5,5	9,5	27,0	10,0	aMOASAUC*S6/22
	0,33	6,0	9,0	32,0	6,0	aMOAS0UC*S6/33
	0,47	7,0	16,0	32,0	6,0	aMOAS0UC*S6/47
	0,68	10,0	18,0	32,0	6,0	aMOAS0UC*S6/68
	1	9,0	19,0	41,0	6,0	aMOAS0UC*S7/1
	1	11,0	20,0	32,0	6,0	aMOASAUC*S7/1
		1,5	11,0	21,0	6,0	aMOAS0UC*S7/15
	2,2	13,5	26,0	6,0	aMOAS0UC*S7/22	
1000Vdc 250 Vac	0,01	5,0	9,0	14,0	50,0	aMOAS0VC*S5/1
	0,015	5,0	9,0	19,0	30,0	aMOAS0VC*S5/15
	0,022	5,0	9,0	19,0	30,0	aMOAS0VC*S5/22
	0,033	5,0	10,0	27,0	15,0	aMOAS0VC*S5/33
	0,047	6,0	11,0	27,0	15,0	aMOAS0VC*S5/47
	0,068	6,0	12,0	27,0	15,0	aMOAS0VC*S5/68
	0,1	8,0	15,0	27,0	15,0	aMOAS0VC*S6/1
	0,15	9,0	16,0	32,0	10,0	aMOAS0VC*S6/15
	0,22	11,0	18,0	32,0	10,0	aMOAS0VC*S6/22
	0,33	11,0	20,0	41,0	10,0	aMOAS0VC*S6/33
	0,47	11,0	23,0	41,0	10,0	aMOAS0VC*S6/47