

MKT CMR-15

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.

$\phi=0,8$ pcm>10; $\phi=0,6$ pcm=10

pcm 5: B>3,5 $\phi=0,8$; B<3,5 $\phi=0,6$

• Protection:

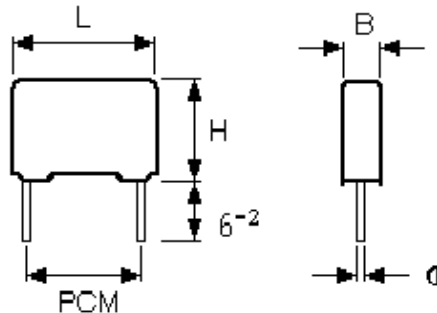
Plastic case, epoxy resin filled.

• Technical terms and test:

IEC 384-1/2 IEC68

• Climatic category:

(IEC 68-1) 55/100/56



Electrical characteristics:

• Nominal voltage (Vn dc):

50- 63-100-250-400-630-1000

• Dissipation Factor (Df at 25°C):

1 Khz = 100×10^{-4}

10 Khz = 150×10^{-4}

• Insulation Resistance (Ri):

Temperature: 25°C

Voltage charge:

Charge time: 1 minute

50 Vdc for $V_n < 100$ Vdc
100 Vdc for $V_n \geq 100$ Vdc
500 Vdc for $V_n \geq 500$ Vdc

≤ 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: 30×10^{-4}
Insulation: > limit value

•Notes: -All dimensions are in mm.

- Other versions available upon request.

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Voltage Voltaje	Capacitance Capacidad	Dimensions max Dimesion máx				dV/dt V/μs	Code Codigo
		B	H	L	pcm		
63Vdc 50 Vac	1	5.5	11	18	15	2.5	aCMRS0PC*E7/1
	1.5	7.5	13.5	18	15	2.5	aCMRS0PC*E7/15
	2.2	8.7	14.5	18	15	2.5	aCMRS0PC*E7/22
100Vdc 63 Vac	0.33	5.5	11	18	15	3	aCMRS0QC*E6/33
	0.47	5.5	11	18	15	3	aCMRS0QC*E6/47
	0.68	7.5	13.5	18	15	3	aCMRS0QC*E6/68
	1	7.5	13.5	18	15	3	aCMRS0QC*E7/1
	1.5	8.7	14.5	18	15	3	aCMRS0QC*E7/15
	2.2	8.7	14.5	18	15	3	aCMRS0QC*E7/22
250 Vdc 160 Vac	0.1	5.5	11	18	15	12	aCMRS0SC*E6/1
	0.15	5.5	11	18	15	12	aCMRS0SC*E6/15
	0.22	5.5	11	18	15	12	aCMRS0SC*E6/22
	0.33	7.5	13.5	18	15	12	aCMRS0SC*E6/33
	0.47	8.7	14.5	18	15	12	aCMRS0SC*E6/47
	0.47	5.5	11	18	15	12	aCMRSBSC*E6/47
	0.68	8.7	14.5	18	15	12	aCMRS0SC*E6/68
	1	8.7	14.5	18	15	12	aCMRS0SC*E7/1
	1	7.5	13.5	18	15	12	aCMRSBSC*E7/1
	1.5	8.7	14.5	18	15	12	aCMRS0SC*E7/15
	2.2	8.7	14.5	18	15	12	aCMRS0SC*E7/22
	400 Vdc 200 Vac	0.033	5.5	11	18	15	20
0.047		5.5	11	18	15	20	aCMRS0TC*E5/47
0.068		5.5	11	18	15	20	aCMRS0TC*E5/68
0.1		5.5	11	18	15	20	aCMRS0TC*E6/1
0.15		7.5	13.5	18	15	20	aCMRS0TC*E6/15
630 Vdc 220 Vac	0.022	5.5	11	18	15	25	aCMRS0UC*E5/22
	0.033	5.5	11	18	15	25	aCMRS0UC*E5/33
	0.047	5.5	11	18	15	25	aCMRS0UC*E5/47
	0.068	5.5	11	18	15	25	aCMRS0UC*E5/68
1000 Vdc 250 Vac	0.01	5.5	11	18	15	30	aCMRS0VC*E5/1
	0.015	5.5	11	18	15	30	aCMRS0VC*E5/15
	0.022	7.5	13.5	18	15	30	aCMRS0VC*E5/22