

CTR

TYPE MPERRB

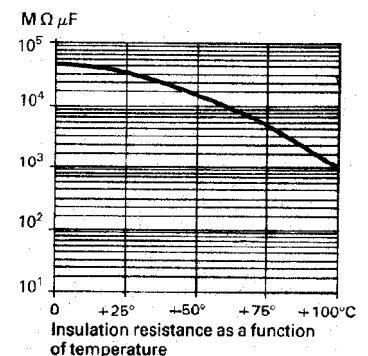
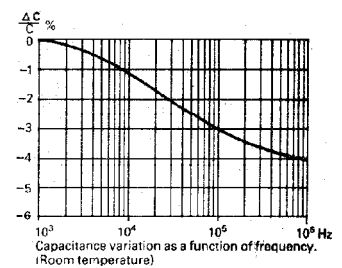
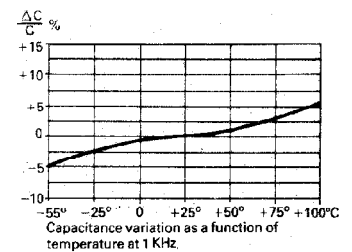
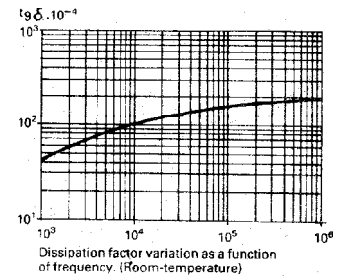
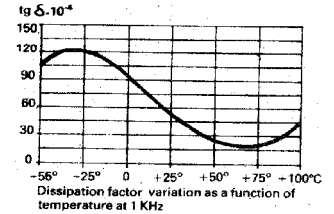
Metallised Polyester Capacitors

DESCRIPTION

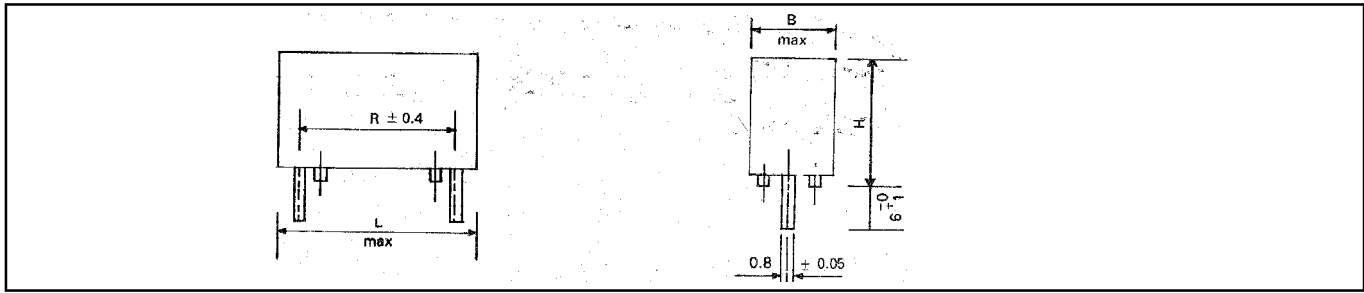
Polyester Capacitor using metallised polyethylene teraphthalate film with self healing properties. Epoxy resin encapsulated under vacuum in a black plastic Box. These Capacitors are compact in size exhibiting long term stability. Used extensively in Telecommunications ad Printed Circuit Board

TECHNICAL DATA

Dielectric	Polyethylene Teraphthalate			
Capacitor Electrodes	Metallised Plastic Film			
Encapsulation	Plastic Box sealed with epoxy resin encapsulated under vacuum			
Temperature Range	-55 to + 100°C			
Insulation Resistance at 20°C	Capacitance for rated voltage $V_r > 100V$ $< 0.33 F > 3 \times 10^4$ megohms $> 0.33 F > 1 \times 10^3$ secs Capacitance for rated voltage $V_r < 100V$ $< 0.33 F > 1.5 \times 10^4$ megohms $> 0.33 F > 5 \times 10^3$ secs			
Power Factor	Frequency	$C < 0.1 F$	$0.1 F < C < 1 F$	$C > 1 F$
	1KHZ	$< 80 \times 10^{-4}$	$< 80 \times 10^{-4}$	$< 100 \times 10^{-4}$
	10KHZ	$< 150 \times 10^{-4}$	$< 150 \times 10^{-4}$	
	100KHZ	$< 300 \times 10^{-4}$		
D.C. Voltage Derating	A voltage derating factor of 1.66% per °C temperature above + 85°C			
Long term stability	<2% over 2 years for temperature range + 20°C to 40°C			
Reference standard	IEC publication 384.2			
Capacitance Tolerance	$\pm 10\%$ $\pm 20\%$ and close tolerance on request			
Test Voltage	1.6x Rated Voltage			
Climatic Category	55/125/56			
Maximum Pulse Rise Time in V/ s	Rated Voltage	Capacitor	Pitch in mm	
		10	15	22.5 27.5
	63	3	1.5	1
	100	6	3	1
	163	8	5	2
	250	11	7	3
	400	20	10	5
	630	30	15	7
	1000	60	25	15
Cross reference	Arcotronics MKT 1.60; WIMA MKS 4			



DIMENSIONS



GENERAL DATA

Capacity in mfd	63 VDC/63VAC				100 VDC/63VAC				160 VDC/90VAC				250 VDC/160VAC			
	B	L	H	R	B	L	H	R	B	L	H	R	B	L	H	R
0.022													5	13	10.5	10
0.033													5	13	10.5	10
0.047													5	13	10.5	10
0.068													5	13	10.5	10
0.1	5	13	10.5	10	5.5	18	11	15	5.5	18	11	15	5.5	18	11	15
0.15	5	13	10.5	10	6.5	18	12	15	7.5	18	14	15	5.5	18	11	15
0.22	5	13	10.5	10	7.5	18	14	15	9	18	15	15	5.5	18	11	15
0.33	5	13	10.5	10	7.5	27	16.5	22.5	8.5	27	18.5	22.5	6.5	18	12	15
0.47	6	13	11.5	10	8.5	27	18.5	22.5	10.5	27	19	22.5	6.5	27	15.5	22.5
0.68	5.5	18	11	15	10.5	27	19	22.5	11.5	32	21	27.5	7.5	27	16.5	22.5
1.6.5	18	12	15	11.5	32	21	27.5	14	32	24.5	27.5	8.5	27	18.5	22.5	
1.5	7.5	18	14	15	14	32	24.5	27.5	11.5	32	21	27.5				
2.2	9	18	15	15	14	32	24.5	27.5	11.5	32	21	27.5				
3.3	7.5	27	16.5	22.5	14	32	24.5	27.5								
4.7	8.5	27	18.5	22.5												
6.8	10.5	27	19	22.5												
10	11.5	32	21	27.5												

Capacity in Mfd	400 VDC/200VAC				630 VDC/220VAC				1000VDC/250VAC				
	B	L	H	R	B	L	H	R	B	L	H	R	
0.001	5	13	10.5	10									
0.0015	5	13	10.5	10									
0.0022	5	13	10.5	10									
0.0033	5	13	10.5	10									
0.0047	5	13	10.5	10	6	13	11.5	10					
0.0068	5	13	10.5	10	6	13	11.5	10					
0.01	5	13	10.5	10	5	13	10.5	10	5.5	18	11	15	
0.015	5	13	10.5	10	5	13	10.5	10	5.5	18	11	15	
0.022	5	13	10.5	10	6	13	11.5	10	7.5	18	14	15	
0.033	6	13	11.5	10	5.5	18	11	15	6.5	27	15.5	22.5	
0.047	5.5	18	11	15	6.5	18	12	15	6.5	27	15.5	22.5	
0.068	5.5	18	11	15	7.5	18	14	15	7.5	27	16.5	22.5	
0.1	6.5	18	12	15	6.5	27	15.5	22.5	10.5	27	19	22.5	
0.15	7.5	18	14	15	7.5	27	16.5	22.5	11.5	32	21	27.5	
0.22	6.5	27	15.5	22.5	10.5	27	19	22.5	14	32	24.5	27.5	
0.33	7.5	27	16.5	22.5	11.5	32	21	27.5					
0.47	8.5	27	18.5	22.5	14	32	24.5	27.5					
0.68	11.5	32	21	27.5									
1.00	32	24.5	27.5										

ORDER INFORMATION

