

ERIES

FEATURES: GENERAL PURPOSE SCREW TERMINAL TYPE. RECOMMENDED FOR USE IN TELE-

COMMUNICATIONS AND INDUSTRIAL SYSTEMS REFERENCE

STANDARDS: IS4317/ IEC 384-4

ALUMINIUM ELECTROLYTIC CAPACITORS

ENDURANCE: +85°C, FOR 2000 Hrs

PRODUCT MARKING PROVIDED WITH GREEN COLOUR SLEEVE AND BLACK PRINT

1.SPECIFICATIONS

PARAMETERS.	PERFORMANCE CHARACTERISTICS								
Operating Temperature	- 40°C to +85°C for WV ≤ 250 Vdc & -25°C to +85°C for WV > 250 Vdc.								
Working Voltage	16 Vdc to 450 Vdc								
Capacitance Range	220 μF to 5,60,000μF at +27º C, 100 Hz								
Capacitance Tolerance	± 20%								
Leakage Current (After 5mt charging through 1000 Ω resistor) IL in μA	IL ≤ 3 V(CV) Where IL = Leakage current in μ A C= Capacitance (μ F), V= Working Voltage in Volt Note: For C ≤ 2500 μ F, the charging resistor for R= 1000Ω For C> 2500 μ F, the charging resistor R = 2.5 /C								
Dissipation factor (Tan δ) Max (To be measured in four wire Kelvin clip terminal Method)	Tan δ at +27°C, 100 Hz in percentage								
	DIA Diameter in mm	WV in Volts	16	25	35	50	63	100-250	350-450
	Ø 35		55	40	35	30	25	15	10
	Ø50		70	50	45	30	25	15	12
	Ø63		85	65	55	35	30	20	15
	Ø76		110	75	75	55	50	30	15
	Ø90		150	100	90	75	60	30	20
Life Tests	Tests Test Condition	Endurance DC Life Test Capacitor at rated voltage and At +85°C for 2000 Hrs Measurements after recovery to +27°C				Storage Shelf Life Test Capacitor under no voltage			
	Parameters					At +85°C Measure	At +85°C for 1000 Hrs Measurements after recovery to +27°C		
(i). Endurance Test at High Temperature +85ºC at WV.	Δ Capacitance	Within ±25% for WV 16 V to 25V Within ±20% for WV 35 V to 100V Within ±15% for WV 160 V to 450V of initial measured value							
(::) Storage Test	Tan ∂	Within 200% of initial limit					Within 150% of initial limit		
at High Temperature +85°C at 0V.	D.C Leakage Current	Within initial limit					Within 150% of initial limit		

2. OTHER INFORMATION

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Standard rating size, Ripple current, ESR and frequency multipliers	Refer Section 4
Capacitor Codification System	Refer page no. 72
Dimensional Specification	Refer section 4 for details
Marking Specification	Refer page no. 73
Type of Packing and Lead Configuration	Bulk Packing – in cardboard cartons with separator. Provided with SCREW TYPE terminals for external connection For details refer section 9

3. PHYSICAL OUT LINES - MP SERIES

Dimensions provided without sleeve. For sleeved dimensions add 1.0mm to the diameter and 2mm to the length of the capacitor.



All dimensions in mm