

Axial Aluminium Electrolytic Capacitor **multicomp** PRO

**RoHS
Compliant**



Allowable Ripple Current Vs Ambient Temperature

Ambient temp (°C)	Under 50	70	85
Multiplier	1.78	1.4	1

Frequency Coefficient of Allowable Ripple Current

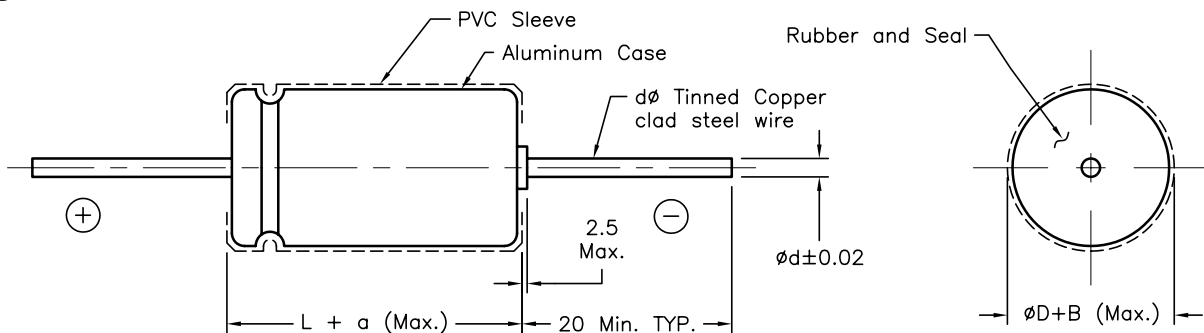
Freq. (Hz) \ Cap. (µF)	60	120	500	1k	10k up
Under 100	0.7	1	1.3	1.4	1.5
100 to 330	0.75	1	1.2	1.3	1.35

Item	Characteristic							
Operating Temperature Range	-40°C to +85°C							
Capacitance Tolerance	±20% (at 20°C, 120 Hz)							
Leakage Current	$I = 0.03CV + 15$ (µA) (CV ≤ 1000) $I = 0.02CV + 25$ (µA) (CV > 1000) (after 5 minutes applying the rated DC working voltage at 20°C) where: C = rated capacitance in µF V = rated DC working voltage in V							
Dissipation Factor (Tan δ) (At 20°C, 120 Hz)	Rated Voltage (V)	160	200	250	350	400	450	
	Tan δ	0.15	0.15	0.2	0.2	0.24	0.24	
For capacitors whose capacitance exceeds 1,000pF, the specification of Tan is increased by 0.02 for every addition of 1,000pF.								
Surge Voltage	Rated Voltage (V)	160	200	250	350	400	450	
	Surge Voltage (V)	200	250	300	400	450	500	
Low Temperature Characteristics	Impedance ratio at 120 Hz.							
	Rated Voltage (V)	160	200	250	350	400	450	
	Z (-25°C) Z (+20°C)	3	6	8	12	14	16	
	Z (-40°C) Z (+20°C)	4	8	10	-	-	-	
Load Life	After 1000 hours application of rated voltage at 85°C, capacitors meet the characteristics requirements listed at right.						Leakage Current	Initial specified value or less
							Dissipation Factor	Less than 200% of specified value.
							Capacitance Change	Within ±20% of initial value

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Item	Characteristic
Shelf Life	After leaving capacitors under no load at 85°C for 1000 hours and applying voltage they meet the specified value for load life characteristics listed above.
Marking	Printed with white colour letter on black sleeve.
Applicable Standards	Satisfies characteristics W of JIS C5141.

Diagram



ØD	5	6	6.3	8	10	13	16	18	22	25
Ød	0.6				0.8					
a	1.5				2					
B	0.5				1					

Dimensions : Millimetres

Specification Table

Part Number	Capacitance (µF)	Working Voltage (V DC)	Diameter (mm)	Length (mm)
MCHV100M2EB-1021-RH	10	250	10	21

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