

METALLISED POLYPROPYLENE FILM CAPACITORS

Socket type

MAIN APPLICATION: Mainly used in switch type fan regulators

CONSTRUCTION (DIP TYPE): Low inductive cell of metallised polyester film coated with flame retardant grade epoxy powder

CLIMATIC CATEGORY: 40/85/21

CAPACITANCE VALUE, RATED VOLTAGE (DC): Refer dimension chart

CAPACITANCE TOLERANCE: $\pm 5\%$, $\pm 10\%$

VOLTAGE PROOF: $1.6 \cdot U_r$ for 2 seconds between the terminals

TAN δ (DISSIPATION FACTOR): 0.1% (max) at 1 kHz

INSULATION RESISTANCE

Minimum insulation resistance R_{is} measured at 100 V DC for 1 minute

Or, time constant $T = C_r \times R_{is} > 2500$ s at 25° C, relative humidity $\leq 70\%$

LIFE TEST CONDITIONS

a) Endurance Test: Loaded at 1.1 times of rated voltage at 70° C for 500 hours.

After the test:

$\Delta c/c:$ $\leq 5\%$ of initial value

Change in Tan $\delta:$ ≤ 0.004 of initial value

Insulation resistance: $\geq 50\%$ of the value specified in data sheet

b) Switching test: $> 20,000$ cycles of 4 step / 5 step switch type fan regulator

Input supply: 240 VAC Load: Fan Motor

After the test:

$\Delta c/c:$ $\leq 5\%$ of initial value

Change in Tan $\delta:$ ≤ 0.004 of initial value

Insulation resistance: $\geq 50\%$ of the value specified in data sheet

c) Lot to lot testing: Loaded at 540 V AC at ambient temperature for 2 hours

After the test:

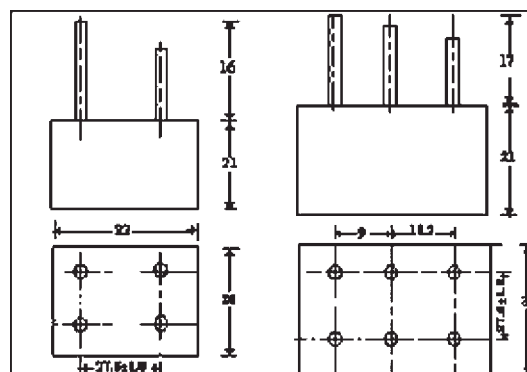
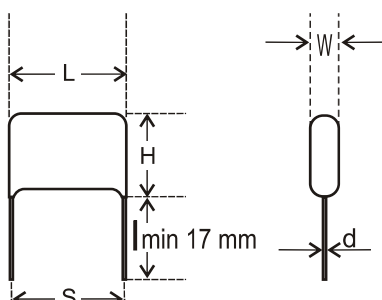
$\Delta c/c:$ $\leq 10\%$ of initial value

Change in Tan $\delta:$ ≤ 0.004 of initial value

Ordering codes and packaging units

Rated Voltage	Rated cap. (μ fd)	Maximum Dimensions (mm)					Ordering code	Packing units Bulk
		W ± 0.5	H ± 0.5	L ± 0.5	d ± 0.5	S ± 0.5		
250	1.0	8.0	17.0	31.0	0.8	27.5	04 105 + 02 *^	200
V AC	1.5	9.0	18.0	31.0	0.8	27.5	04 155 + 02 *^	200
MPP	1.6	10.0	19.0	31.0	0.8	27.5	04 165 + 02 *^	200
	2.2	12.0	20.0	31.0	0.8	27.5	04 225 + 02 *^	200
	2.5	13.0	21.0	31.0	0.8	27.5	04 255 + 02 *^	200
	2.7	14.0	22.0	31.0	0.8	27.5	04 275 + 02 *^	200
	3.2	15.0	23.0	31.0	0.8	27.5	04 325 + 02 *^	200
	3.3	15.0	23.0	31.0	0.8	27.5	04 335 + 02 *^	200
250	2.5	8.0	23.0	31.0	0.8	27.5	64 255 + 02 *^	200
V AC	4.2	13.0	24.0	31.0	0.8	27.5	64 425 + 02 *^	200

EPOXY COATED TYPE:



CAPACITOR PACK

2 Capacitor pack (MPP): Capacitance Value: 2.2, 3.1 μ F
 Rated Voltage: 220 V AC, Tolerance: +10%

3 Capacitor pack (MPP): Capacitance Value: 1.0, 2.2, 3.1 μ F
 Rated Voltage: 220 V AC, Tolerance: +10%