

Metallized Polyester Film Capacitors

Series Code
86, 96, 103, 104, 106

Switch Type Fan Regulator Capacitors (MPET-SW-Ultima)

Main Application

Mainly used in switch type fan regulators.

Construction

Low inductive cell of metallized polyester film with internal fuses coated with flame retardant epoxy resin.

Climatic Category

40/85/21

Maximum Operating Temperature

85°C

Capacitance Value

0.75µF-5.6µF

Capacitance Tolerance

±5%, ±10%

Rated Voltage

250VAC

Voltage Proof

Between the terminals: 640VDC for 2 sec.

Tan δ

0.01 (max) at 1 kHz.

Insulation Resistance

(Minimum insulation resistance) R_{is} measured at 100VDC for 1 minute.
(or) time constant $T = C_R \times R_{is} > 2500$ s
(at 25° C, relative humidity ≤ 70%)

Life Test Conditions

1. 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

Increase of Tan δ: ≤ 0.004 of initial value at 1 kHz.

Insulation Resistance: $\geq 50\%$ of the value mentioned in IR chart.

2. 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.

Increase of Tan δ: ≤ 0.004 of initial value at 1 kHz.

Insulation Resistance: $\geq 50\%$ of the value mentioned in IR chart.

3. Lot to Lot Test

Loaded at 440 VAC at ambient temperature for 2 hours.

After the Test

$\Delta C/C: \leq 10\%$ of initial value.

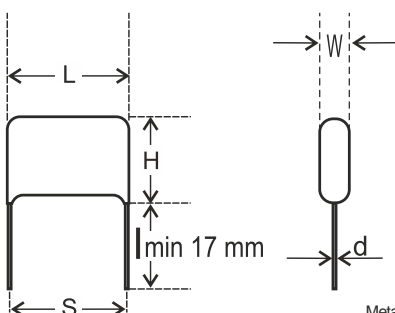
Increase of Tan δ: ≤ 0.004 of initial value at 1 kHz.

Insulation Resistance: $\geq 50\%$ of the value mentioned in IR chart.

**Ordering code and packing units: Metallized Polyester Film Capacitors
Switch Type Fan Regulator Capacitors • MPET-SW-Ultima • Series Code 86, 96, 103, 104, 106**

Rated Voltage	Rated Cap. (µF)	W (max)	H (max)	L (max)	Dimensions (mm)		Ordering Code	Packing Units Bulk
					d (±0.05)	S (±1.0)		
250VAC	0.75	7.0	13.0	31.0	0.8	27.5	86/96/103/104/106 754 + 02 ^A	250
	1.00	6.5	15.0	31.0	0.8	27.5	86/96/103/104/106 105 + 02 ^A	250
	1.50	8.5	17.5	31.0	0.8	27.5	86/96/103/104/106 155 + 02 ^A	250
	2.20	10.5	20.5	31.0	0.8	27.5	86/96/103/104/106 225 + 02 ^A	250
	2.50	11.5	17.5	31.0	0.8	27.5	86/96/103/104/106 255 + 02 ^A	250
	3.30	11.5	22.5	31.0	0.8	27.5	86/96/103/104/106 335 + 02 ^A	250
	4.00	13.5	22.0	31.0	0.8	27.5	86/96/103/104/106 405 + 02 ^A	250
	4.30	13.0	22.5	31.0	0.8	27.5	86/96/103/104/106 435 + 02 ^A	250
	4.60	14.0	23.5	31.0	0.8	27.5	86/96/103/104/106 465 + 02 ^A	250
	5.60	15.0	25.0	31.0	0.8	27.5	86/96/103/104/106 565 + 02 ^A	250

Note: Series code 86,103 indicates capacitor in brown colour, series code 96,104 indicates orange colour and series code 106 indicates ivory colour.



Note: For more details please contact info@dekielelectronics.com