

Metallized Polypropylene Film Capacitors

Series Code
44, 74, 93, 95

Fan Regulator Capacitors (MPP-Ultima)

Main Application

Mainly used in switch type fan regulators.

Construction

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

Climatic Category

40/85/21

Maximum Operating Temperature

85°C

Capacitance Value

1.0µF-4.6µF

Capacitance Tolerance

±5%, ±10%

Rated Voltage

250VAC

Voltage Proof

Between the terminals: 640VDC for 2 sec.

Tan δ

0.001 (max) at 1 kHz.

Insulation Resistance

(Minimum insulation resistance) R_{IS} measured at 100VDC for 1 minute.

(or) time constant $T = C_R \times R_{IS} > 7500$ 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. at ambient temperature for 2 hours.

After the Test

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

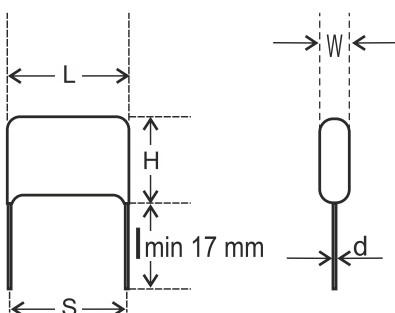
Increase of Tan δ: ≤ 0.004 of initial value at 1 kHz.

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

**Ordering code and packing units: Metallized Polypropylene Film Capacitors
MPP-Ultima • Series Code 44, 95**

Rated Voltage	Rated Cap. (µF)	Dimensions (mm)					Ordering Code	Packing Units Bulk
		W (max)	H (max)	L (max)	d (±0.05)	S (±1.0)		
250VAC	1.0	8.5	16.5	31.0	0.8	27.5	44/95 105 + 02 [^]	250
	1.5	9.0	18.0	31.0	0.8	27.5	44/95 155 + 02 [^]	250
	2.2	8.5	20.0	31.0	0.8	27.5	44/95 225 + 02 [^]	250
	2.5	13.0	20.0	31.0	0.8	27.5	44/95 255 + 02 [^]	250
	3.3	11.5	20.0	31.0	0.8	27.5	44/95 335 + 02 [^]	250
	4.0	14.0	24.0	31.0	0.8	27.5	44/95 405 + 02 [^]	250
	4.3	16.0	25.0	31.0	0.8	27.5	44/95 435 + 02 [^]	250
	4.6	17.0	25.0	31.0	0.8	27.5	44/95 465 + 02 [^]	250

Note: Series code 44 indicates capacitor in brown colour and series code 95 indicates orange colour.



Metallized Polypropylene Film Capacitors

Fan Regulator Capacitors (MPP-Ultima) • Series Code 44, 74, 93, 95



Ordering code and packing units: Metallized Polypropylene Film Capacitors
MPP-Ultima • Series Code 74, 93

Rated Voltage	Rated Cap. (µF)	Dimensions (mm)					Ordering Code	Packing Units Bulk
		W (max)	H (max)	L (max)	d (±0.05)	S (±1.0)		
250VAC	1.0	8.5	17.5	31.0	0.8	27.5	74//93 105 + 02 *^	250
	1.5	10.5	19.5	31.0	0.8	27.5	74/93 155 + 02 *^	250
	2.2	11.5	22.0	31.0	0.8	27.5	74/93 225 + 02 *^	250
	2.5	11.5	24.5	31.0	0.8	27.5	74/93 255 + 02 *^	250
	3.3	14.5	24.0	31.0	0.8	27.5	74/93 335 + 02 *^	250
	4.0	17.0	23.5	31.0	0.8	27.5	74/93 405 + 02 *^	250
	4.3	17.5	26.0	31.0	0.8	27.5	74/93 435 + 02 *^	250
	4.6	18	27.0	31.0	0.8	27.5	74/93 465 + 02 *^	250

Note: Series code 74 indicates capacitor in brown colour and series code 93 indicates orange colour.

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