

Metallized Polypropylene Film Capacitors Switch Type

Series Code
04, 64, 105

Fan Regulator Capacitors (MPP-SW)

Main Application

Mainly used in switch type fan regulators.

Construction

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

Climatic Category

40/85/21

Maximum Operating Temperature

85°C

Capacitance Value

1.0µF-5.6µF

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} 7500 s
(or) time constant $T = C_R \times R_{IS}$
(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

$\Delta C/C$: ≤ 5% of initial value.

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

Insulation Resistance: ≥50% of the value mentioned in IR chart.

2.Switching Test

20,000 cycles of 4 step / 5 step switchtype fan regulator. (Input supply: 240 VAC, Load: Fan motor.)

After The Test

$\Delta C/C$: ≤ 5% of initial value.

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

Insulation Resistance: ≥50% of the value mentioned in IR chart.

3..Lot to Lot Test

Loaded at 540 VAC at ambient temperature for 2 hours for series code 04 and 105 and 440 VAC at ambient temperature for 2 hours for series code 64.

After The Test

$\Delta C/C$: ≤ 10% of initial value.

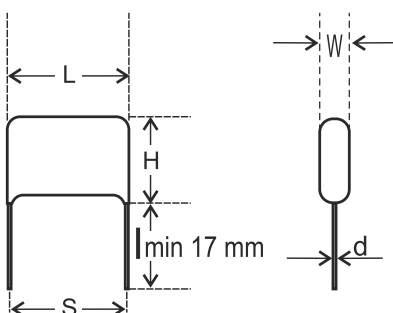
Increase of Tan δ: ≤0.004 of initial value at 1 kHz.

Insulation Resistance: ≥50% of the value mentioned in IR chart.

Ordering code and packing units: Metallized Polypropylene Film Capacitors Switch Type Fan Regulator Capacitors • MPP-SW • Series Code 04, 105

Rated Voltage	Rated Cap. (µF)	Dimensions (mm)					S (±1.0)	Ordering Code	Packing Units Bulk
		W (max)	H (max)	L (max)	d (±0.05)				
250VAC	1.0	9.0	18.0	31.0	0.8	27.5	04/105 105 + 02 *^	250	
	1.5	11.0	20.0	31.0	0.8	27.5	04/105 155 + 02 *^	250	
	2.2	10.0	22.0	31.0	0.8	27.5	04/105 225 + 02 *^	250	
	2.5	10.5	22.5	31.0	0.8	27.5	04/105 255 + 02 *^	250	
	3.3	15.5	23.0	31.0	0.8	27.5	04/105 335 + 02 *^	250	
	4.0	16.5	25.5	31.0	0.8	27.5	04/105 405 + 02 *^	250	
	4.3	17.5	26.0	31.0	0.8	27.5	04/105 435 + 02 *^	250	
	4.6	18.5	26.5	31.0	0.8	27.5	04/105 465 + 02 *^	250	
	5.6	18.0	31.0	31.0	0.8	27.5	04/105 565 + 02 *^	250	

Note: Series code 04 indicates capacitor in brown colour and series code 105 indicates orange colour.



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Fan Regulator Capacitors • MPP-SW • Series Code 04, 64, 105



Ordering code and packing units: Metallized Polypropylene Film Capacitors Switch Type Fan Regulator Capacitors • MPP-SW • Series Code 64

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	13.5	31.0	0.8	27.5	64 105 + 02 *^	250
	1.5	9.5	15.5	31.0	0.8	27.5	64 155 + 02 *^	250
	2.2	11.0	18.0	31.0	0.8	27.5	64 225 + 02 *^	250
	2.5	10.5	22.5	31.0	0.8	27.5	64 255 + 02 *^	250
	3.3	13.0	21.0	31.0	0.8	27.5	64 335 + 02 *^	250
	4.0	14.0	23.0	31.0	0.8	27.5	64 405 + 02 *^	250
	4.3	15.0	23.5	31.0	0.8	27.5	64 435 + 02 *^	250
	4.6	16.0	24.0	31.0	0.8	27.5	64 465 + 02 *^	250
	5.6	17.0	29.0	31.0	0.8	27.5	64 565 + 02 *^	250

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