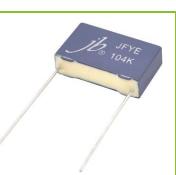


# Box Type Met Polypropylene Film Capacitor – JFYE



Item		Performance	Test Conditions
Operating Temperature Range		-40°C ~+110°C	rest conditions
Rated Voltage		250VAC, 275VAC, 310VAC	
Withstand Voltage	Between Terminals	No abnormality.	Rated voltage x 430% (VDC) 1~5 sec charge and Discharge current shall not exceed 10 mA
	Between Terminals & Enclosure		2050 VDC 1 min
Insulation Resistance		$C \leq 0.33 \mu F \colon 15,000 M\Omega$ min $C > 0.33 \mu F \colon 5,000 M\Omega/\mu F$ min	Charge time: 60 ±5sec. Charge voltage: 100VDC Test Temp: 20°C
Capacitance		Within specified tolerance	at 1 KHz ±10% Measure R.V: 1 Vrms or below Test temp: 20°C
Dissipation Factor		0.1% max at 1KHz	Measure R.V: 1 Vrms or below Test temp: 20°C
Terminal Strength	Pull Strength	No cutting or slack of terminals	Wire diameter: 0.6&0.8 mm Load: 1 kg, time: 10 sec. Wire diameter: 1.0 mm Load: 2 kg, time: 20 sec.
	Bending Strength		Wire diameter: 0.6&0.8 mm Load: 0.5 kg, 90° x 4 time Wire diameter: 1.0 mm Load: 1 kg, 90° x 4 time
Vibration Proof		No abnormality of the appearance	Frequency range 10-500-10 Hz Amplitude: 0.75 mm, 2 hrs/direction for 3 directions
Solder Ability		At least 95% of the surface of the lead wire dipped into is covered with new solder.	Solder temp: 245°C ±2°C Immersion time: 2 ±0.5sec. Solder: SnAgCu (Sn:96.5% Ag:3% Cu:0.5%)
Resistance	Appearance	No abnormality on appearance	Solder temp: 265 ±5°C
	Withstand Voltage	Comply with item 3	
to Soldering	Capacitance Variation	Within ±3%	
heat	Dissipation Factor Insulation Resistance	Within spec of item 6 above.  Same as the spec of item 4	
Cold Resistance	Capacitance Variation	above Within ±5%	Temperature: -40 ±2°C Duration: 96±4 hrs
Dry Heat Resistance	Insulation Resistance	$C \leq 0.33 \mu F$ : 3,000M $\Omega$ min $C > 0.33 \mu F$ : 1,000M $\Omega/\mu F$ min	Temperature: +110 ±2°C Duration: 96±4 hrs
	Capacitance Variation	Within ±5%	Duration: 96±4 nrs
Humidity Resistance	Appearance	No abnormality on appearance marking to be legible	Humidity: 90~95% RH Temperature: +40 ±2°C
	Withstand Voltage	Comply with item 3	Duration: 96±4 hrs
	Insulation Resistance	$C \le 0.33 \mu F$ : 10,000M $\Omega$ min $C > 0.33 \mu F$ : 3,000M $\Omega/\mu F$ min	Measure after exposing at
	Capacitance Variation Dissipation Factor	Within ±5% 0.15% max at 1KHz (20°C)	normal state for 16 hrs.
High Temperature Loading Test	Appearance	No abnormality on appearance marking to be legible	Temperature: +110 ±2°C Duration: 1,000 +48/-0 hrs
	Withstand Voltage	Comply with item 3	Applied Voltage 100% x R.V.
	Insulation Resistance	$C \le 0.33 \mu F$ : 10,000MΩ min $C > 0.33 \mu F$ : 3,000MΩ/ $\mu F$ min	through series resistor of 20~1000Ω/V to the Capacitor
	Capacitance Variation	Within ±5%	
	Dissipation Factor	0.15% max at 1KHz (20°C)	Measure after exposing at normal state for 4 hrs.
Humidity Bias Test	Appearance	No abnormality on appearance marking to be legible	Humidity: 85% RH Temperature: 85±3°C Duration: 1000±24hrs
	Withstand Voltage	Comply with item 3	Applied Valters 240 VAC
	Insulation Resistance	$C \le 0.33 \mu F$ : 10,000MΩ min $C > 0.33 \mu F$ : 3,000MΩ/ $\mu F$ min	Applied Voltage 240 VAC through series resistor of
	Capacitance Variation	Within ±10%	20~1000Ω/V to the Capacitor
	Dissipation Factor	0.8% max at 1KHz (20°C)	Measure after exposing at normal state for 4 hrs.



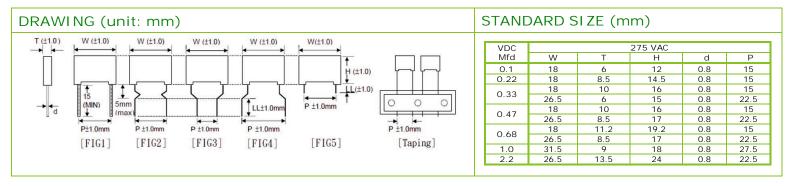
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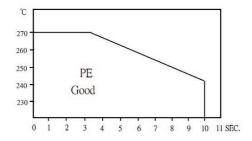
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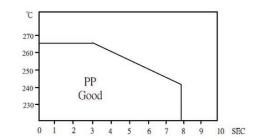




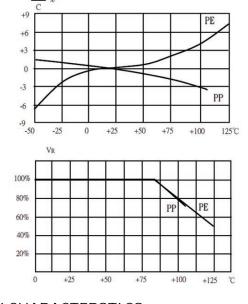
## ELECTRICAL CHARACTERISTICS (TEMPERATURE AND FREQUENCY)

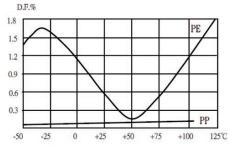
SOLDERING TEMPERATURE VS TIME

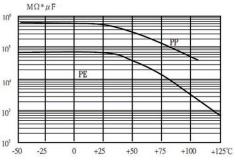




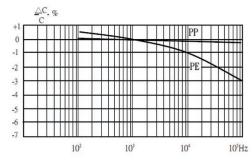
#### TEMPERATURE CHARACTERISTICS

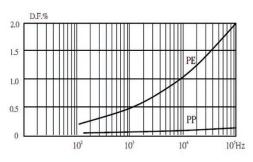






### FREQUENCY CHARACTERSTICS





Please visit our website to get more update data, those data & specification are subject to change without notice.



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