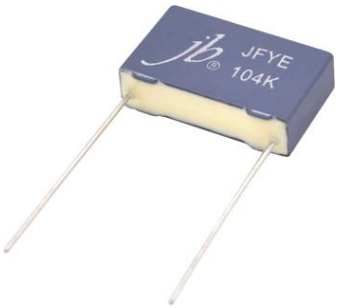
Box Type Met Polypropylene Film Capacitor – JFYE

DISCONTINUED MODEL

Item		Performance	Test Conditions
Operating Temperature Range		-40°C ~+110°C	
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 ≦ 0.33μF: 15,000MΩ min C > 0.33μF: 5,000MΩ/μF 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℃ ±2°C Immersion time: 2 ±0.5sec. Solder: SnAgCu (Sn:96.5% Ag:3% Cu:0.5%)
Resistance to Soldering heat	Appearance	No abnormality on appearance	Solder temp: 265 ±5°C Immersion time: 10±0.5sec.
	Withstand Voltage	Comply with item 3	
	Capacitance Variation	Within ±3%	
	Dissipation Factor	Within spec of item 6 above.	
	Insulation Resistance	Same as the spec of item 4 above	
Cold Resistance	Capacitance Variation	Within ±5%	Temperature: -40 ±2°C Duration: 96±4 hrs
Dry Heat Resistance	Insulation Resistance	C ≦ 0.33μF: 3,000MΩ min C > 0.33μF: 1,000MΩ/μF min	Temperature: +110 ±2°C Duration: 96±4 hrs
	Capacitance Variation	Within ±5%	
Humidity Resistance	Appearance	No abnormality on appearance marking to be legible	Humidity: 90~95% RH Temperature: +40 ±2°C Duration: 96±4 hrs Measure after exposing at normal state for 16 hrs.
	Withstand Voltage	Comply with item 3	
	Insulation Resistance	C≦0.33μF: 10,000MΩ min C > 0.33μF: 3,000MΩ/μF min	
	Capacitance Variation	Within ±5%	
	Dissipation Factor	0.15% max at 1KHz (20°C)	
High Temperature Loading Test	Appearance	No abnormality on appearance marking to be legible	Temperature: +110 ±2°C Duration: 1,000 +48/-0 hrs Applied Voltage 100% x R.V. through series resistor of 20~1000Ω/V to the Capacitor Measure after exposing at normal state for 4 hrs.
	Withstand Voltage	Comply with item 3	
	Insulation Resistance	C≦ 0.33μF: 10,000MΩ min C > 0.33μF: 3,000MΩ/μF min	
	Capacitance Variation	Within ±5%	
	Dissipation Factor	0.15% max at 1KHz (20°C)	
Humidity Bias Test	Appearance	No abnormality on appearance marking to be legible	Humidity: 85% RH Temperature: 85±3℃ Duration: 1000±24hrs Applied Voltage 240 VAC through series resistor of 20~1000Ω/V to the Capacitor Measure after exposing at normal state for 4 hrs.
	Withstand Voltage	Comply with item 3	
	Insulation Resistance	C≦ 0.33μF: 10,000MΩ min C > 0.33μF: 3,000MΩ/μF min	
	Capacitance Variation	Within ±10%	
	Dissipation Factor	0.8% max at 1KHz (20°C)	



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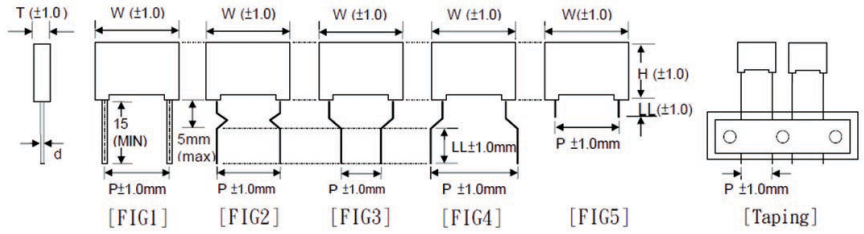
DISCONTINUED MODEL

DRAWING (unit: mm)

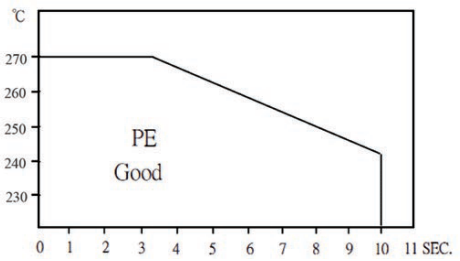


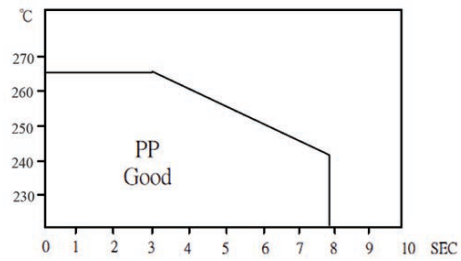
STANDARD SIZE (mm)

VDC Mfd	275 VAC				
	W	T	H	d	P
0.1	18	6	12	0.8	15
0.22	18	8.5	14.5	0.8	15
0.33	18	10	16	0.8	15
	26.5	6	15	0.8	22.5
0.47	18	10	16	0.8	15
	26.5	8.5	17	0.8	22.5
0.68	18	11.2	19.2	0.8	15
	26.5	8.5	17	0.8	22.5
1.0	31.5	9	18	0.8	27.5
2.2	26.5	13.5	24	0.8	22.5

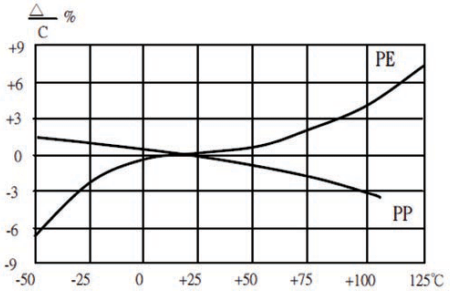
ELECTRICAL CHARACTERISTICS (TEMPERATURE AND FREQUENCY)

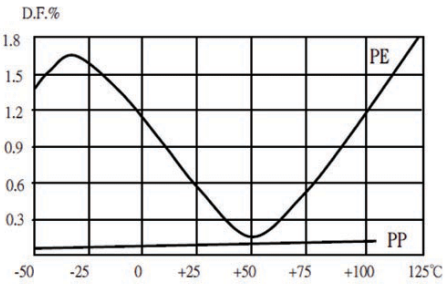
- SOLDERING TEMPERATURE VS TIME

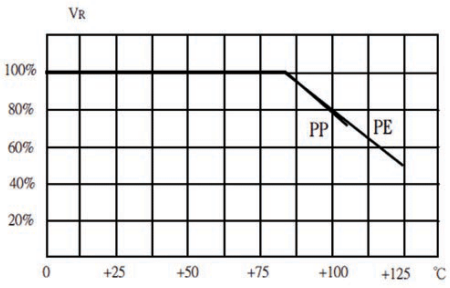


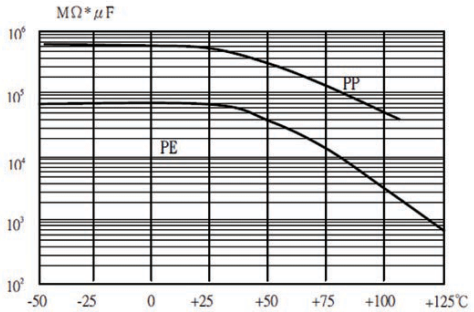


- TEMPERATURE CHARACTERISTICS

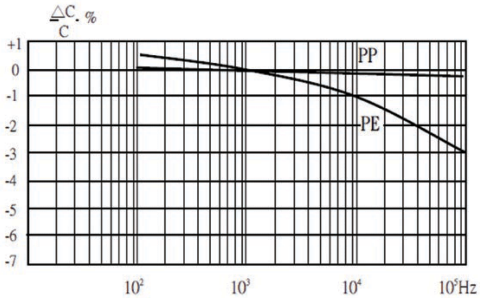


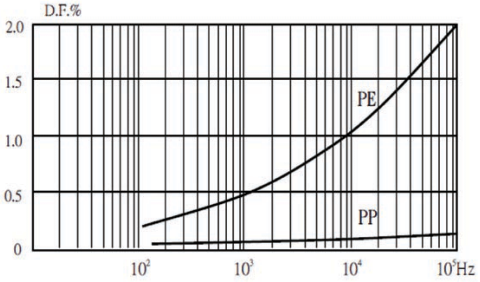






- FREQUENCY CHARACTERSTICS





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