

3	280V	310V											
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③ Rated capacitance value(Digit 6 to 8)

According to JIS

101=10x10¹ pF=0.1nF 102=10x10² pF=1.0nF= 0.001uF 103=10x10³ pF=10nF=0.01uF
 104=10x10⁴ pF=100nF=0.1uF 105=10x10⁵ pF=1000nF=1uF 106=10x10⁶ pF=10000nF=10uF
 107 =100uF 108 =1000uF 109 =10000uF

④ Capacitance tolerance(Digit 9)

Tolerance	± 1%	± 2%	± 3%	± 5%	±10%	±15%	± 20%	0~+10%	0~-10%		
Code	F	G	H	J	K	L	M	T	P		

⑤ Pitch/Length of Axial products(Digit 10)

Pitch	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	10.0	12.5	15.0	20.0
Code	A	B	C	D	E	F	G	H	J	K	L	M	N
Pitch	22.0	22.5	25.0	27.0	27.5	30.0	31.0	32	37	26	8		
Code	P	Q	R	S	T	U	V	W	X	Y	1		
length	15	19	21	27	32	37	42	46	24	50	56		
Code	1	2	3	4	5	6	7	8	9	A	B		

*When the products are axial products, it stands for the length of the products

⑥ Lead(Digit 11)

Lead	CP 0.5	CP 0.6	CP 0.7	CP 0.8	CU 1.0	CU 0.8						
Code	5	6	7	8	1	9						

⑦ Package type and code of Lead Configuration(Digit 12)

Code	Description
S	Straight lead,Cut lead
K	Bent lead
T	Taping package

⑧ Internal use(Digit 13 to18)

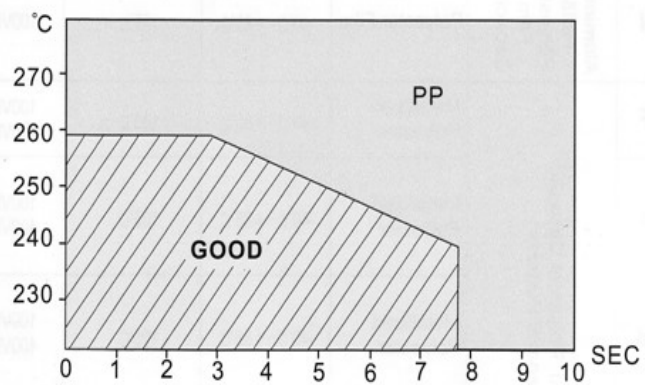
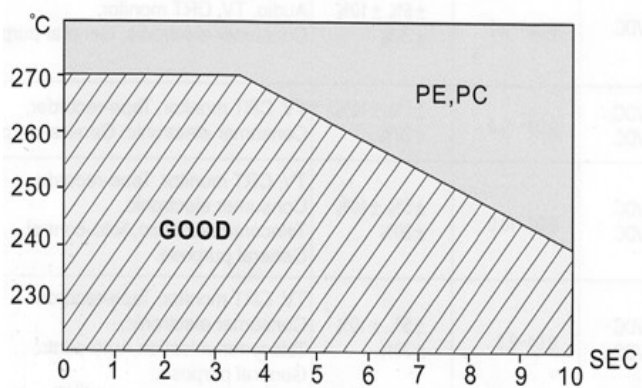
Terminal Strength IEC 68-2-21	Tension : Dia. (mm) Tension Bend : Dia. (mm) Load 0.3 < d ≤ 0.5 5N 0.3 < d ≤ 0.5 2.5N 0.5 < d ≤ 0.8 10N 0.5 < d ≤ 0.8 5N 0.8 < d ≤ 1.25 20N 0.8 < d ≤ 1.25 10N Time duration : 10±1second Bending for twice in two direction After above test,no visible damage		
Solder ability IEC 68-2-20	Soldering temperature : 235°C ± 5°C Immersion duration : 2.0s ± 0.5s Good Tinning		
Soldering heat IEC 68-2-20	Solder temperature : 260°C ± 5°C Immersion duration : 10s ± 1s Dip depth from the mounting surface 2+0/-0.5mm , using the thickness of 1.5mm ± 0.5mm insulation shielding plate Capacitance change : Δ C/C : ≤ ± 2% DF change : Δ tan δ : ≤ 0.2% at 10 KHZ .		
Temperature Cycling IEC 68-2-14	Temperature: θ A = -40°C ; θ B = +105°C Time duration : 30min ; Cycle times : 5 times ; Capacitance change : Δ C/C : ≤ ± 2% DF change : Δ tan δ : ≤ 0.2% at 10 KHZ . Insulation Resistance : ≥ 50% of the value before test.		
Vibration IEC 68-2-6	Frequency : 10 ~ 500Hz Direction and Duration time : Per direction 2 hours, Total 6 hours; Amplitude 0.75mm OR acceleration 98m/s ² (Taking the severity of lower) No visible damage and deterioration in appearance		
Bump IEC 68-2-29	Bump times : 4000times Acceleration : 390m/s ² Pulse duration : 6ms No visible damage and deterioration in appearance		
Climatic sequence	Dry heat IEC 68-2-2	Temperature : +105°C Duration : 16hrs	No breakdown or flashover; No visible damage and deterioration in appearance and the
Damp heat cycle	Test Db, Severity b, the first cycle		
Cold IEC 68-2-1	Temperature : -40°C Duration : 2hrs		

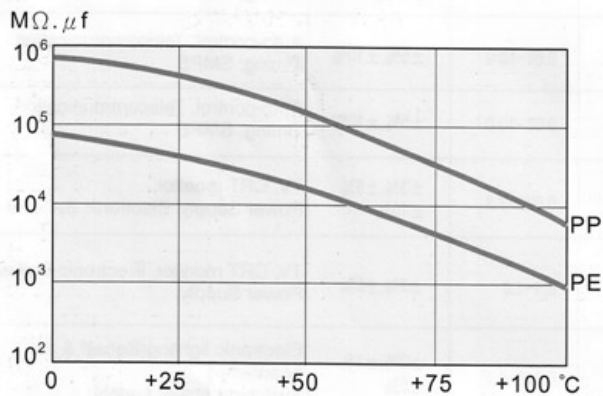
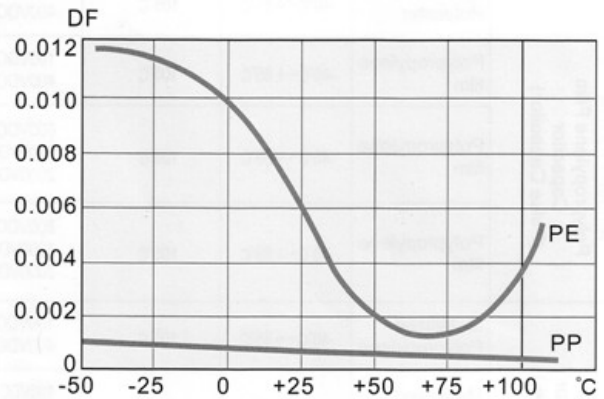
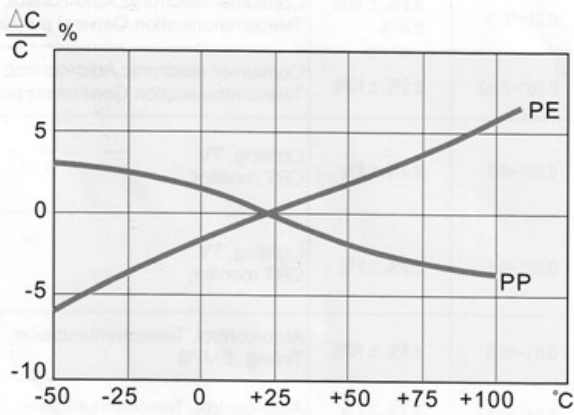
	Low Air pressure IEC 68-2-13	Temperature : 15°C—35°C Pressure : 8.5KPa Duration : 1 hr (Apply UR at the last 1 minute)	marking shall be legible Capacitance change : $\Delta C/C : \leq \pm 3\%$ DF change : $\Delta \tan \delta : \leq 0.2\%$ at 10 KHZ . Insulation Resistance : $\geq 50\%$ of the value before test
	Damp heat IEC 68-2-30	Test Db , Severity b , the other cycles, apply UR for 1 minute after the test finished.	

Damp Heat Test IEC 68-2-3	Temperature : 40°C±2°C Humidity : 93 +2/-3 % Duration : 21days No visible damage and deterioration in appearance and the marking shall be legible ; Capacitance change : $\Delta C/C : \leq \pm 3\%$ DF change : $\Delta \tan \delta : \leq 0.1\%$ at 10 KHZ . Insulation Resistance : $\geq 50\%$ of the value before test
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Durability	Temperature : +85°C Voltage : 1.25U _R Duration : 1000hrs No visible damage and deterioration in appearance and the marking shall be legible Capacitance change : $\Delta C/C : \leq \pm 5\%$ DF change : $\Delta \tan \delta : \leq 0.15\%$ at 10 KHZ . Insulation Resistance : $\geq 50\%$ of the value before test
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Charge & Discharge	Charging times : 10000 times Charging Voltage : U _R Charging duration : 0.5s Discharging duration : 0.5s Charging resistance : $220/C_R \Omega$ C _R : Rated capacitance (μF) Discharging resistance : $10/C_R$ 或 20Ω C _R : Rated capacitance (μF) Capacitance change : $\Delta C/C : \leq \pm 3\%$ DF change : $\Delta \tan \delta : \leq 0.3\%$ at 10 KHZ . Insulation resistance : $\geq 50\%$ of the value before test
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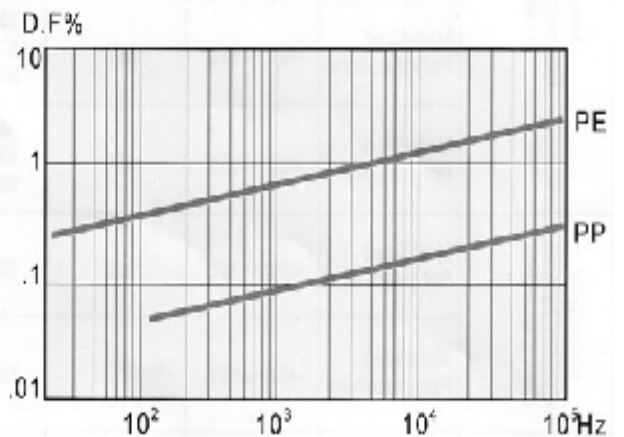
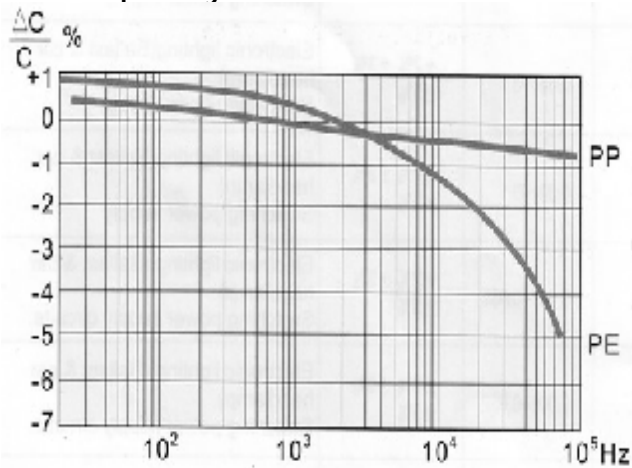




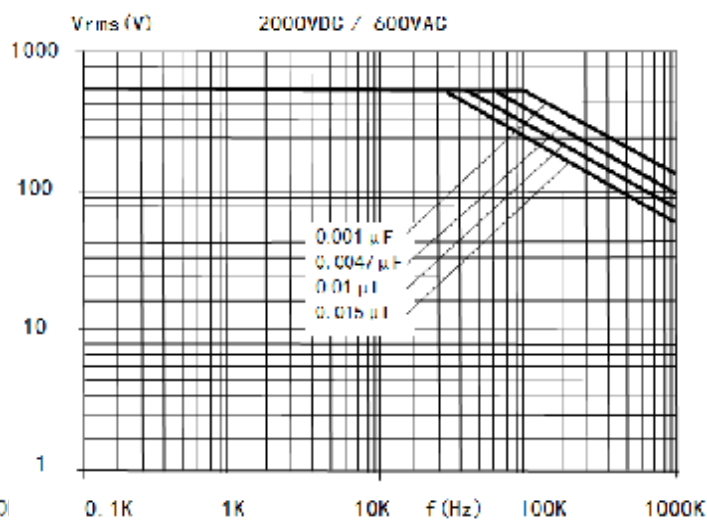
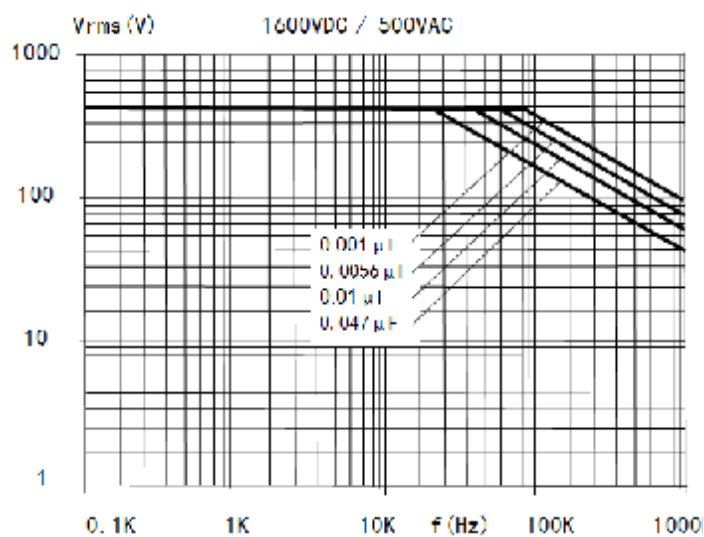
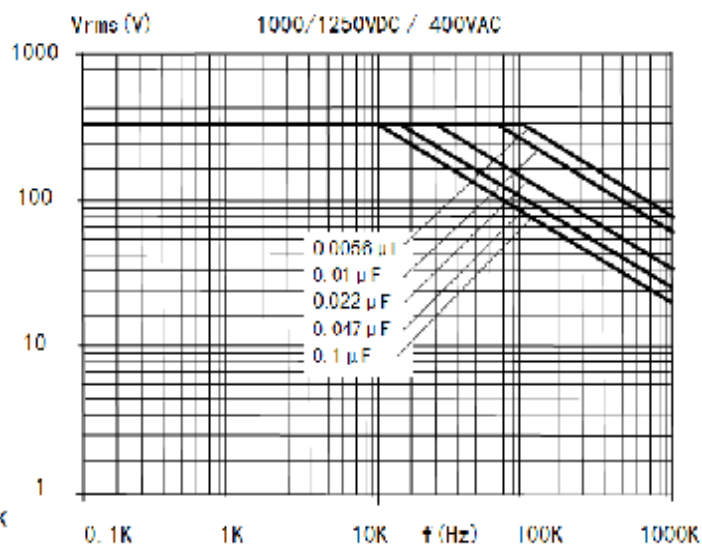
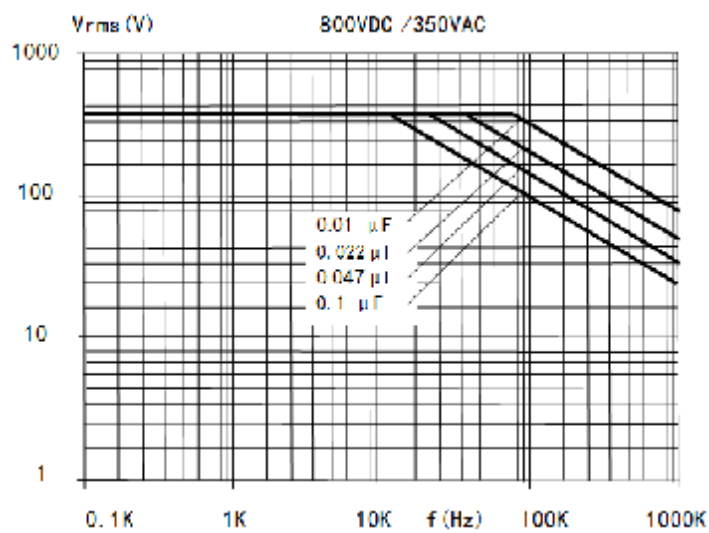
PP: 聚丙烯薄膜 (Polypropylene Film)

PE: 聚酯薄膜 (Polyester Film)

2 Frequency Characteristics

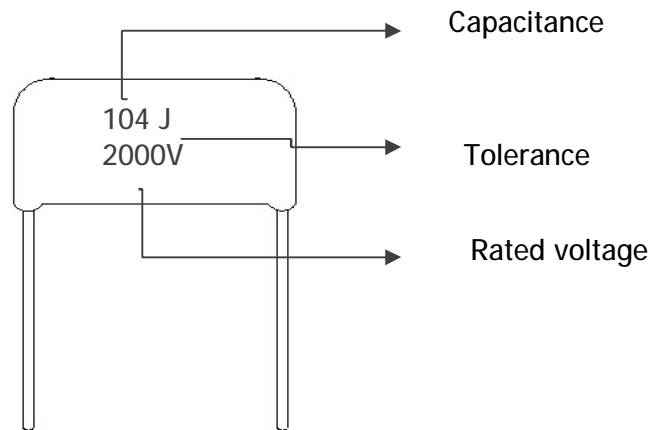


2 Permissible AC Voltage VS Frequency Curve



Remark: Sine wave, Environmental temperature $\leq 85^{\circ}\text{C}$

2 Marking Specification



2 Taping Drawing & Dimensions

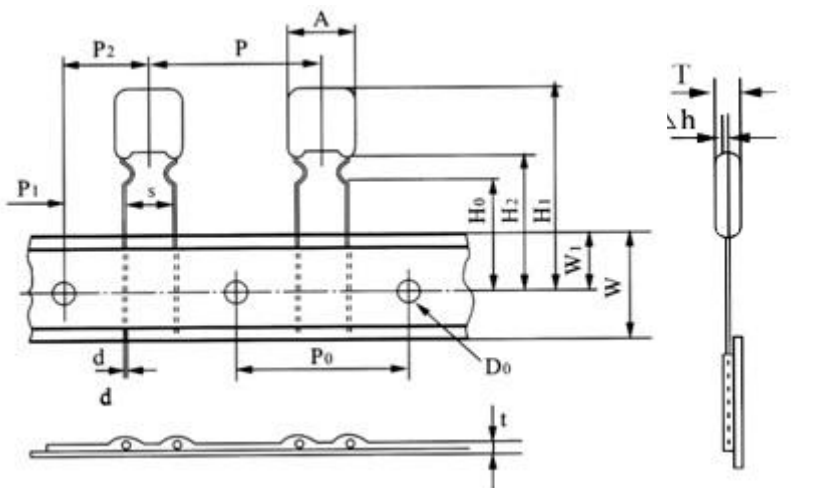


Fig.1

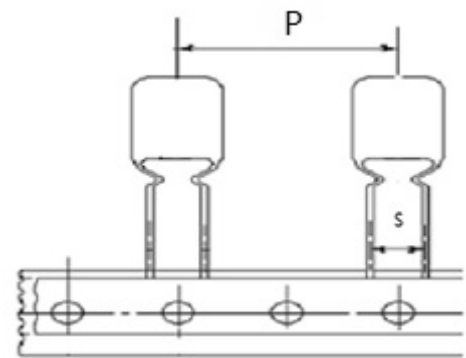


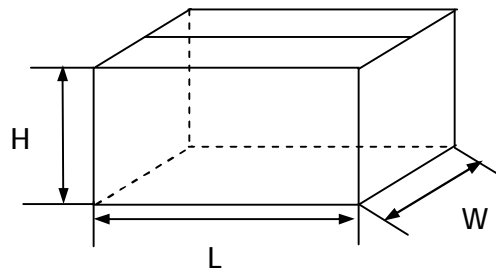
Fig.2

Technique Data	Code	Size (mm)					Technique Data	Co de	Size (mm)				
		P=5	P=7.5	P=10	P=15	Tolerance			P=5	P=7.5	P=10	P=15	Tolerance
Tape type		Fig1	Fig1	Fig2	Fig2		Tape type		Fig 1	Fig1	Fig2	Fig2	
Section distance	P	12.7	12.7	25.4	25.4	±1.0	Tape width	W	18.0	18.0	18.0	18.0	±0.5
Distance between two hole	P0	12.7	12.7	12.7	12.7	±0.3	Jack position	W1	9.0	9.0	9.0	9.0	±0.5
Leads position	P1	3.85	2.6	7.7	5.2	±0.7	Bending height	H0	16	16	16	16	±0.5
Pitch for forming type	S	5.0	7.5	10.0	15.0	±0.5	Upper size	H1	39	39	39	39	max
Body position	P2	6.35	6.35	12.7	12.7	±1.3	Dia of the hole	D0	4.0	4.0	4.0	4.0	±0.3

Product inclination	Δh	0	0	0	0	± 0.2	Tape thickness	t	0.7	0.7	0.7	0.7	± 0.2
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Carton Size

Outpackaging box for bulk

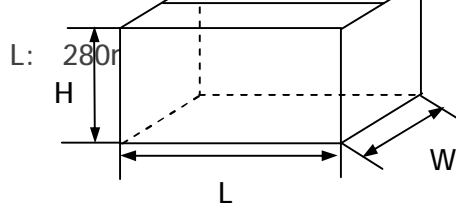


L: 480mm

W: 320mm

H: 280mm

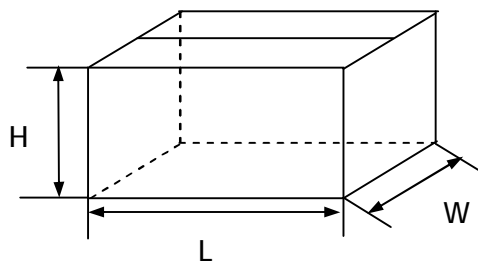
Inner packing box for bulk



W: 225mm

H: 120mm

Out packing box for taping

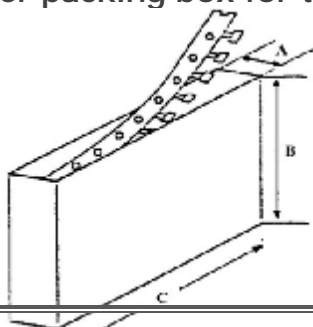


L: 640mm

W: 360mm

H: 290mm

Inner packing box for taping



A: 50mm

B: 320mm

C: 330mm