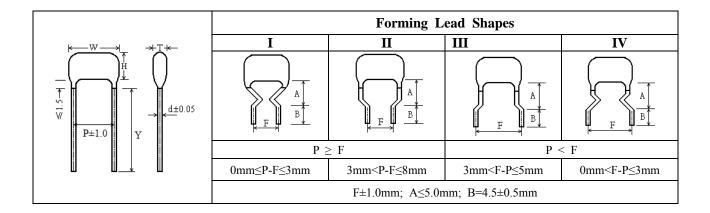


■外形图 Outline Drawing



■特点

- ●专门设计用于与 100²240Vac 电源串联的电容降压电路应用场合,如电表、LED 驱动等
- ●金属化聚丙烯
- ●自愈性能优异,能承受浪涌电压冲击
- ●长期负载下优异的电容量稳定性
- ●阻燃环氧粉末包封(UL94/V-0)

■ Features

- This is specifically designed for applications in serial with the 100~240 Vac main, i.e.: capacitive divider, for example, energy
- Metallized Polypropylene structure
- Good self-healing properties, withstanding surge voltage stressing
- Long stability of capacitance
- Flame resistant expoxy resin powder coating(UL94/V-0)

■ 技术要求 Specifications

引用标准 Reference Standard	GB/T 14579 (IEC60384-1	7)	
气候类别 Climatic Category	40/085/21		
额定温度 Rated temperature	85℃		
工作温度范围 Operating Temperature Range	-40°C ∼+85°C		
额定电压 Rated Voltage (U _R)	230Vac	250Vac	275Vac
最大连续直流电压 Maximum continuous DC voltage	400Vdc	560Vdc	630Vdc
电容量范围 Capacitance Range	0.033μF ~4.7μF	0.010μF~4.0μF	0.10F~1.0μF
电容量偏差 Capacitance Tolerance	±5%(J), ±10%(K), ±20%	%(M)	
耐电压(引线之间) Voltage Proof (Between Terminals)	640Vdc (2s)	900Vdc (2s)	1500Vdc (2s)
绝缘电阻 Insulation Resistance	\geqslant 15 000M Ω , $C_R \leqslant$ 0.33 \geqslant 5 000s, $C_R >$ 0.33 μ	(20 C 100V 1min)	
损耗角正切	$\leq 10 \times 10^{-4} (1 \text{kHz}, 20^{\circ}\text{C})$ Typical value 2×10^{-4}		

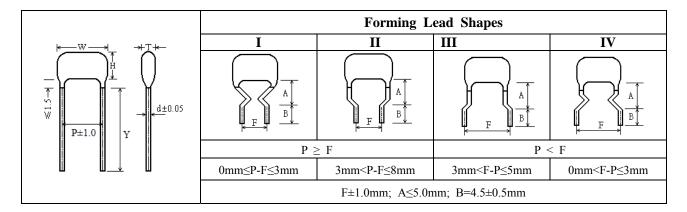


No.]	Item	Performance	Test method(IEC 60384-17)
1	Solderability		Good quality of tinning	Solder temperature:245°C±5°C Immersion time: 2.0s±0.5s
	Initial m	neasurement	Capacitance Tgδ:1kHz, C>1.0μF 10kHz, C≤1.0μF	
2		minal rength	There shall be no visible damage	Tension: 0.6≤φd≤0.8mm, 10N
	Resistance	to solder heat	There shall be no visible damage	Solder temperature:260°C±5°C Immersion time: 10s±1s
	Final m	neasurement	$\Delta C/C \le \pm 3\%$ (relative to the initial value) Increase of tg δ : $\le 0.003 (10 \text{kHz}, C \le 1.0 \mu\text{F})$ $\le 0.002 (1 \text{kHz}, C > 1.0 \mu\text{F})$	
3	Initial m	neasurement	Capacitance Tgδ:1kHz, C>1.0μF 10kHz, C≤1.0μF	
	-	ange of tempe	There shall be no evidence of deterioration.	θ_A =-40°C, θ_B =+85°C 5 cycles, Duration: t=30min
	Vibration		deterioration.	Amplitude 0.75mm or acceleration 100m/s^2 (whichever is the smaller severity), f: 10Hz to 500Hz. Three directions, 2h for each direction, total 6h.
3	F	Bump	There shall be no evidence of deterioration.	4 000 times, Acceleration: 400m/s²,Pulse duration, 6ms
	Final measurement		Δ C/C $\leq \pm 3\%$ (relative to the initial value) Increase of tg δ : $\leq 0.003 (10 \text{kHz}, C \leq 1.0 \mu\text{F})$ $\leq 0.002 (1 \text{kHz}, C > 1.0 \mu\text{F})$ IR: $\geq 50\%$ of the rated value	
		Initial measurement	Capacitance Tgδ:1kHz, C>1.0μF 10kHz, C≤1.0μF	
		Dry heat		+85℃, 16h
4	climate sequence	Damp heat, Cyclic		Test Db, Severity: b, the first cycle
	sequence	Cold		-40℃, 2h
		Low air pressure	There shall be no permanent breakdown, flashover or other harmful deformation	$15^{\circ}\text{C} \sim 35^{\circ}\text{C}$, 8.5kPa, 1h, Applying U_R during the last 5 min.



No.	Ite	em	Performance	Test method(IEC 60384-17)
		Damp heat, cyclic other		Test Db, Severity b, the other cycles, Applying U_R for 1 min within 15 min after the test finished.
4	climate sequence (continue)	Final measur ement	There shall be no evidence of deterioration and the marking shall be legible. $\Delta C/C \le \pm 5\%$ (relative to the initial value) Increase of $tg\delta$: $\le 0.003 (10 kHz, C \le 1.0 \mu F)$ $\le 0.002 (1 kHz, C > 1.0 \mu F)$ $IR: \ge 50\%$ of the rated value	
5	Damp heat steady state		There shall be no evidence of deterioration and the marking shall be legible. $\Delta C/C \le \pm 5\%$ (relative to the initial value) Increase of $tg\delta \le 0.002$ IR: $\ge 50\%$ of the rated value	Temperature:40°C ±2°C Humidity: 93 +2
6	Endurance		$\Delta C/C \le \pm 5\%$ (relative to the initial value) Increase of tg δ : $\le 0.003 (10 \text{kHz}, C \le 1.0 \mu\text{F})$ $\le 0.002 (1 \text{kHz}, C > 1.0 \mu\text{F})$ IR: $\ge 50\%$ of the rated value	Rate Temperature: +85 °C Voltage: 1.25×U _R (50Hz) Duration: 1 000h
7	Temperature characteristic		Measuring capacitance at test point b, d, f: Characteristic at lower category temperature -40°C: $0 \le (C_b - C_d)/C_d \le +3\%$ Characteristic at upper category temperature $+85$ °C: $-3.25\% \le (C_f - C_d)/C_d \le 0$	Static method: The capacitors should be kept at the following temperature in turn: a.(+20±2) °C, b.(-40±3) °C, d.(20±2) °C, f.(+85±2) °C, g.(+20±2) °C
8	Charging and discharging		Δ C/C ≤±5%(relative to the initial value) Increase of tg δ : ≤0.003(10kHz, C≤1.0 μ F) ≤0.002 (1kHz, C>1.0 μ F) IR: ≥ 50% of the rated value	Times: 10 000 Duration of charging: 0.5s Duration of discharging: 0.5s Charging voltage: rated voltage Charging resistance: $220/C_R(\Omega)$ Discharging resistance: $R=10/C_R(\Omega)$ or 20Ω (whichever is the greater) C_R : rated capacitance (μ F)

■ 外形图 Outline Drawing



■特点

- ●金属化聚丙烯
- ●高频损耗小
- ●内部升温小
- ●阻燃环氧粉末包封(UL94/V-0)

■主要用途

- ●广泛应用于高频、直流、交流和脉冲电路中
- ●适用于要求体积小,性能优异的彩色 S 校正电路
- •专为大屏幕显示器及彩电的 S 校正电路设计
- ●适用于各种高频、大电流场合

■ Features

- Metallized polypropylene structure
- Low loss at high frequency
- Small inherent temperature rise
- Flame retardant epoxy resin powder coating (UL94/V-0)

■ Typical application

- Widely used in high frequency, DC,AC and pulse circuits
- Providing optimum performance with small size in S-c orrection circuits for colour TV set
- Specially designed for S-correction circuits of large screen monitor and colour TV
- Suitable for the situation where applies high frequency and high current pulse

■ 技术要求 Specifications

■ 权不安水 Specifications		
引用标准 Reference Standard	GB/T 14579(IEC 60384-17)	
气候类别 Climatic Category	40/105/21	
额定温度 Rated temperature	85℃	
工作温度范围 Operating temperature	-40 °C~105 °C (+85 °C to +105 °C: decreasing factor 1.25% per °C for VR(dc))	
额定电压 Rated Voltage	100V/160V, 250V, 400V, 630V, 1000V/1250V	
电容量范围 Capacitance Range	$0.0010\sim3.3\mu F$	
电容量偏差 Capacitance Tolerance	±5%(J), ±10% (K), ±20% (M)	
Voltage Proof	1.6U _R (5s)	
Dissipation Factor	≤10×10 ⁻⁴ (20°C, 1kHz)	
绝缘电阻 Insulation Resistance	$\geq 50\ 000M\Omega$, $C_R \leq 0.33 \mu F$ >15\ 000s. $C_R > 0.33 u F$ (20°C.100V.1min)	
额定温度 Rated temperature 工作温度范围 Operating temperature 额定电压 Rated Voltage 电容量范围 Capacitance Range 电容量偏差 Capacitance Tolerance 耐电压 Voltage Proof 损耗角正切 Dissipation Factor	-40°C~105°C (+85°C to +105°C: decreasing factor 1.25% per °C for VR(dc) 100V/160V, 250V, 400V, 630V, 1000V/1250V 0.0010 ~ 3.3μF ±5%(J), ±10% (K), ±20% (M) 1.6U _R (5s) ≤10×10 ⁻⁴ (20°C, 1kHz)	

金属化聚丙烯膜电容器(浸渍型) Metallized polypropylene film capacitor(dippe

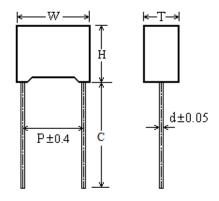
	Item Performance Test method(IEC 60384-17)					
No.		item	Performance	Test method(IEC 60384-17)		
1	Sold	lerability	Good quality of tinning	Solder temperature:245°C±5°C Immersion time: 2.0s±0.5s		
	Initial mea	surement	Capacitance Tgδ:1kHz, C>1.0μF 10kHz, C≤1.0μF			
2		rminal rength	There shall be no visible damage	Tension: 0.6≤φd≤0.8mm, 10N		
	Resistance	to solder heat	There shall be no visible damage	Solder temperature:260°C±5°C Immersion time: 10s±1s		
	Final m	neasurement	$\Delta C/C \le \pm 3\%$ (relative to the initial value) Increase of tg δ : $\le 0.004 (10 \text{kHz}, C \le 1.0 \mu\text{F})$ $\le 0.004 (1 \text{kHz}, C > 1.0 \mu\text{F})$			
3	Initial mea	surement	Capacitance Tgδ:1kHz, C>1.0μF 10kHz, C≤1.0μF			
	Rapid change of tempe rature		There shall be no evidence of deterioration.	θ_{A} =-40°C, θ_{B} =+85°C 5 cycles, Duration: t=30min		
	Vil	bration	There shall be no evidence of deterioration.	Amplitude 0.75mm or acceleration 98m/s ² (whichever is the smaller severity), f: 10Hz to 500Hz.Three directions, 2h for each direction, total 6h.		
3	F	Bump	There shall be no evidence of deterioration.	4000 times, Acceleration: 390m/s ² , Pulse duration, 6ms		
	Final m	neasurement	Δ C/C ≤±3%(relative to the initial value) Increase of tgδ: ≤0.004 (10kHz, C≤1.0 μ F) ≤0.004 (1kHz, C>1.0 μ F) IR: ≥ 50% of the rated value			
		Initial measurement	Capacitance Tgδ:1kHz, C>1.0μF 10kHz, C≤1.0μF			
		Dry heat		+85℃, 16h		
	climate	Damp heat, Cyclic		Test Db, Severity: b, the first cycle		
4	sequence	Cold		-40℃, 2h		
		Low air pressure	There shall be no permanent breakdo wn, flashover or other harmful deform ation when applying U_R at the last 1 minute.	15°C~35°C, 8.5kPa, 1h,		

金属化聚丙烯膜电容器(浸渍型) Metallized polypropylene film capacitor(dippe

No.	Ite	em	Performance	Test method(IEC 60384-17)
		Damp heat, cyclic other		Test Db, Severity b, the other cycles, Applying U_R for 1 minute after the test finished.
4	climate sequence (continue)	Final measur ement	There shall be no evidence of deterioration and the marking shall be legible. $\Delta C/C \leq \pm 5\% \text{(relative to the initial value)}$ Increase of tg δ : $\leq 0.005 \text{ (10kHz, C} \leq 1.0\mu\text{F)}$ $\leq 0.005 \text{ (1kHz, C} > 1.0\mu\text{F)}$ IR: $\geq 50\%$ of the rated value	
			There shall be no evidence of deterioration and the marking shall be	Temperature: 40°C ±2°C
5	Damp	heat	legible. $\Delta C/C \le \pm 5\%$ (relative to the initial	Humidity: 93 ⁺² %RH Duration: 21days
3	steady	state	value)	Duration. 21 days
			Increase of $tg\delta \le 0.002$ IR: $\ge 50\%$ of the rated value	
			Δ C/C $\leq \pm 5\%$ (relative to the initial value) Increase of tg δ :	Temperature: +85°C Voltage: 1.25×U _R (50Hz)
6	Endu	rance	≤0.004 (10kHz, C≤1.0µF)	Duration: 1 000h
			≤ 0.004 (1kHz, C>1.0 μ F) IR: $\geq 50\%$ of the rated value	
7	Temperature characteristic		Measuring capacitance at test point b, d, f: Characteristic at lower category temperature -40°C: $0 \leq (C_b - C_d)/C_d \leq +3\%$ Characteristic at upper category temperature +85°C: $-3.25\% \leq (C_f - C_d)/C_d \leq 0$	Static method: The capacitors should be kept at the following temperature in turn: a.(+20±2) °C b.(-40±2) °C d.(20±2) °C f.(+85±2) °C g.(+20±2) °C
8	Charging a discharging		$\Delta C/C \le \pm 5\%$ (relative to the initial value) Increase of tgδ: ≤ 0.005 (10kHz, C $\le 1.0\mu$ F) ≤ 0.005 (1kHz, C>1.0 μ F) IR: $\ge 50\%$ of the rated value	Times: 10 000 Duration of charging: 0.5s Duration of discharging: 0.5s Charging voltage: rated voltage Charging resistance: $220/C_R(\Omega)$ Discharging resistance: $R=10/C_R(\Omega)$ or 20Ω (whichever is the greater) C_R : rated capacitance (μ F)



■ 外形图 Outline Drawing



W±0.4, H±0.4, T±0.4

■特点

- ●专门设计用于与电源串联的电容降压电路场 合,如电表、LED 驱动模块等
- 金属化聚丙烯膜结构
- 自愈性能优异,能承受过电压冲击
- 长期负载下优异的电容量稳定性
- 优异的防潮性能
- 优异的阻燃性能

■ Features

- •This is specifically designed for applications in serial with the main, i.e.: capacitive divider, for example, energy meter, LED driver etc.
- Metallized polypropylene structure
- •Good self-healing properties, withstanding overvoltage stressing
- •Long stability of capacitance
- •Good properties in damp environment
- Excellent passive flame resistant abilities

■ 技术要求 Specifications

引用标准 Reference Standard	GB/T 14579 (IEC 60384-17)			
气候类别 Climatic Category	55/105/56			
额定温度 Rated temperature	85℃			
工作温度范围 Operating temperature	-55°C~105°C (+85°C to +105	°C: decreasing factor 1.25% per	°C for U _R)	
额定电压 Rated Voltage	230Vac 250Vac 275 Vac		275 Vac	
最大连续直流电压 Maximum continuous DC voltage	400Vdc 560Vdc 630Vdc		630Vdc	
电容量范围 Capacitance Range	$0.033 \mu F {\sim} 4.7 \mu F \\ 0.010 \mu F {\sim} 4.0 \mu F \\ 0.010 \mu F {\sim} 2.2 \mu F$		0.010μF~2.2μF	
电容量偏差 Capacitance Tolerance	±5%(J), ±10% (K), ±20% (M)			
耐电压(引线之间) Voltage Proof (Between Terminals)	640Vdc(2s) 900Vdc(2s)		1 500Vdc(2s)	
绝缘电阻 Insulation Resistance	\geqslant 15 000M Ω , $C_R \leqslant 0.3$ \geqslant 5 000s, $C_R > 0.33$,1min)	
损耗角正切 Dissipation Factor	≤10×10 ⁻⁴ (1kHz,2	0℃) ≤20	×10 ⁻⁴ (10kHz,20°C)	

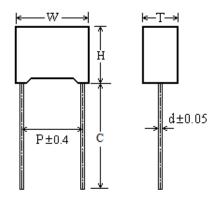


No.		And Periorm Item	Performance	Test method(IEC 60384-17)
1	Sold	erability	Good quality of tinning	Solder temperature:245°C±5°C Immersion time: 2.0s±0.5s
	Initial measurement Terminal strength		Capacitance Tgδ:1kHz, C>1.0μF 10kHz, C≤1.0μF	
2			There shall be no visible damage	Tension: 0.6≤\phid≤0.8mm, 10N \phid=1.0mm, 20N Bend: 0.6≤\phid≤0.8mm, 5N \phid=1.0mm, 10N The terminals shall be bent 2 times in each direction.
	Resistance	to solder heat	There shall be no visible damage	Solder temperature:260°C±5°C Immersion time: 10s±1s
	Final measurement		Δ C/C $\leq \pm 3\%$ (relative to the initial value) Increase of tgδ: $\leq 0.003 (10 \text{kHz,C} \leq 1.0 \mu\text{F})$ $\leq 0.002 (1 \text{kHz,C} > 1.0 \mu\text{F})$	
3	Initial n	neasurement	Capacitance Tgδ:1kHz, C>1.0μF 10kHz, C≤1.0μF	
	Rapid change of tempe rature		There shall be no evidence of deterioration.	θ_A =-55°C, θ_B =+105°C 5 cycles, Duration: t=30min
	Vibration		deterioration.	Amplitude 0.75mm or acceleration 100m/s ² (whichever is the smaller severity), f: 10Hz to 500Hz.Three directions, 2h for each direction, total 6h.
3	Bump		There shall be no evidence of deterioration.	
	Final measurement		Δ C/C $\leq\pm3\%$ (relative to the initial value) Increase of tg δ : $\leq0.003~(10\text{kHz}, \text{C}\leq1.0\mu\text{F})$ $\leq0.002~(1\text{kHz}, \text{C}>1.0\mu\text{F})$ IR: $\geq50\%$ of the rated value	
		Initial measurement	Capacitance Tgδ:1kHz, C>1.0μF 10kHz, C≤1.0μF	
		Dry heat		+105℃, 16h
4	climate	Damp heat, Cyclic		Test Db, Severity: b, the first cycle
4	sequence	Cold		-55℃, 2h
		Low air pressure	There shall be no permanent breakdown, flashover or other harmful deformation	$15^{\circ}\text{C} \sim 35^{\circ}\text{C}$, 8.5kPa , 1h , Applying U_R during the last 5 min.



No.	Ite	em	Performance	Test method(IEC 60384-17)
		Damp heat, cyclic other		Test Db, Severity b, the other cycles, Applying U_R for 1 min within 15 min after the test finished.
4	climate sequence (continue)	Final measur ement	There shall be no evidence of deterioration and the marking shall be legible. $\Delta C/C \le \pm 5\%$ (relative to the initial value) Increase of $tg\delta$: $\le 0.003 (10 \text{kHz}, C \le 1.0 \mu\text{F})$ $\le 0.002 (1 \text{kHz}, C > 1.0 \mu\text{F})$ IR: $\ge 50\%$ of the rated value	
5	Damp steady	heat / state	There shall be no evidence of deterioration and the marking shall be legible. $\Delta C/C \le \pm 5\%$ (relative to the initial value) Increase of $tg\delta \le 0.002$ IR: $\ge 50\%$ of the rated value	Temperature:40°C ±2°C Humidity: 93 +2/3 %RH Duration: 56 days Applying U _R for 1 min Within 15 min after the test finished.
6	Endurance		Δ C/C $\leq \pm 5\%$ (relative to the initial value) Increase of tg δ : $\leq 0.003 (10 \text{kHz}, C \leq 1.0 \mu\text{F})$ $\leq 0.002 (1 \text{kHz}, C > 1.0 \mu\text{F})$ IR: $\geq 50\%$ of the rated value	Rate Temperature: +85 °C Voltage: 1.25×U _R (50Hz) Duration: 1 000h
7	Temperature characteristic		Measuring capacitance at test point b, d, f: Characteristic at lower category temperature -55°C: $0 \le (C_b - C_d)/C_d \le +3.75\%$ Characteristic at upper category temperature $+100$ °C: $-4\% \le (C_f - C_d)/C_d \le 0$	Static method: The capacitors should be kept at the following temperature in turn: a.(+20±2) °C, b.(-55±3) °C, d.(20±2) °C, f.(+100±2) °C, g.(+20±2) °C
8		ging and arging	$\Delta C/C \le \pm 5\%$ (relative to the initial value) Increase of tg δ : $\le 0.003(10 \text{kHz}, C \le 1.0 \mu\text{F})$ $\le 0.002(1 \text{kHz}, C > 1.0 \mu\text{F})$ IR: $\ge 50\%$ of the rated value	Times: 10 000 Duration of charging: 0.5s Duration of discharging: 0.5s Charging voltage: rated voltage Charging resistance: $220/C_R(\Omega)$ Discharging resistance: $R=10/C_R(\Omega)$ or 20Ω (whichever is the greater) C_R : rated capacitance (μ F)

■外形图 Outline Drawing



W±0.4, H±0.4, T±0.4

■特点

- ●金属聚丙烯膜
- 高频损耗小
- 内部温升小
- ●塑料外壳 (UL94 V-0), 阻燃环氧填充

■主要用途

- 广泛应用于高频,直流,交流和脉冲电路中
- ●电视机,显示器 S 校正电路

■Features

- Metallized polypropylene structure
- •Low loss at high frequency
- •Small inherent temperature rise
- •Plastic case (UL94 V-0), Epoxy resin sealing

■Typical application

- Widely used in high frequency, DC,AC and pulse circuits
- S-correction circuits for TV sets and monitors

■技术要求 Specifications

■以小安水 Specifications		
引用标准 Reference Standard	GB/T 10190 (IEC 60384-16)	
气候类别		
Climatic Category	40/105/21	
额定温度	0.00	
Rated temperature	85°C	
工作温度范围	-40℃~105℃	
Operating temperature	(+85°C to +105°C: decreasing factor 1.25% per °C for VR(DC))	
额定电压	160Vdc(90Vac); 250Vdc(160Vac); 400Vdc(220Vac); 630Vdc(250Vac);	
Rated Voltage	1 000Vdc(400Vac); 1 600Vdc(600Vac); 2 000Vdc(700Vac)	
电容量范围	0.00077, 15.0. F	
Capacitance Range	0.00056~15.0μF	
电容量偏差	120/ (C) 120/ (T) 170/ (D 1100/ (T) 1200/ (D 1	
Capacitance Tolerance	±2% (G), ±3% (H), ±5%(J), ±10% (K), ±20% (M)	
耐电压	1 (1) (5)	
Voltage Proof	$1.6U_{R}$ (5s)	
损耗角正切	10.104/20°C 1111	
Dissipation Factor	≤10×10 ⁻⁴ (20°C, 1kHz)	
绝缘电阻	≥50 000MΩ, C _R ≤0.33μF;	
Insulation Resistance	\geq 15 000s, $C_R > 0.33 \mu F$ (20°C, 100V, 1min)	



No.		and Performa Item	Performance	Test method(IEC 60384-17)
1	Solderability		Good quality of tinning	Solder temperature:245°C±5°C Immersion time: 2.0s±0.5s
	Initial n	neasurement	Capacitance Tgδ:1kHz, C>1.0μF 10kHz, C≤1.0μF	
2		rminal rength	There shall be no visible damage	Tension: 0.6≤φd≤0.8mm, 10N
	Resistance	to solder heat	There shall be no visible damage	Solder temperature:260°C±5°C Immersion time: 10s±1s
	Final measurement		Δ C/C $\leq \pm 3\%$ (relative to the initial value) Increase of tgδ: $\leq 0.004 (10 \text{kHz, C} \leq 1.0 \mu\text{F})$ $\leq 0.004 (1 \text{kHz, C} > 1.0 \mu\text{F})$	
3	Initial measurement		Capacitance Tgδ:1kHz, C>1.0μF 10kHz, C≤1.0μF	
	Rapid change of tempe rature		There shall be no evidence of deterioration.	θ_{A} =-40°C, θ_{B} =+85°C 5 cycles, Duration: t=30min
	Vi	bration	There shall be no evidence of deterioration.	Amplitude 0.75mm or acceleration 98m/s ² (whichever is the smaller severity), f: 10Hz to 500Hz.Three directions, 2h for each direction, total 6h.
3	F	Bump	There shall be no evidence of deterioration.	4 000 times, Acceleration: 390m/s ² ,Pulse duration, 6ms
	Final n	neasurement	$\Delta C/C \le \pm 3\%$ (relative to the initial value) Increase of tg δ : $\le 0.004 (10 \text{kHz}, C \le 1.0 \mu\text{F})$ $\le 0.004 (1 \text{kHz}, C > 1.0 \mu\text{F})$ IR: $\ge 50\%$ of the rated value	
		Initial measurement	Capacitance Tgδ:1kHz, C>1.0μF 10kHz, C≤1.0μF	
		Dry heat		+85℃, 16h
	climate	Damp heat, Cyclic		Test Db, Severity: b, the first cycle
4	sequence	Cold		-40℃, 2h
		Low air pressure	There shall be no permanent breakd own, flashover or other harmful deformation when applying U_R at the last 1 minute.	15℃~35℃, 8.5kPa, 1h,

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No.	Ite	em	Performance	Test method(IEC 60384-17)
		Damp heat, cyclic other		Test Db, Severity b, the other cycles, Applying U_R for 1 minute after the test finished.
4	climate sequence (continue)	Final mea surement	There shall be no evidence of deterioration and the marking shall be legible. $\Delta C/C \le \pm 5\%$ (relative to the initial value) Increase of $tg\delta$: $\le 0.005 (10 kHz, C \le 1.0 \mu F)$ $\le 0.005 (1 kHz, C > 1.0 \mu F)$ IR : $\ge 50\%$ of the rated value	
5	5 Damp heat steady state		There shall be no evidence of deterioration and the marking shall be legible. $\Delta C/C \le \pm 5\%$ (relative to the initial value) Increase of $tg\delta \le 0.002$ IR: $\ge 50\%$ of the rated value	Temperature:40°C ±2°C Humidity: 93 ⁺² ₋₃ %RH Duration: 21days
6	Endurance		$\Delta C/C \le \pm 5\%$ (relative to the initial value) Increase of tg δ : $\le 0.004 (10 \text{kHz}, C \le 1.0 \mu\text{F})$ $\le 0.004 (1 \text{kHz}, C > 1.0 \mu\text{F})$ IR: $\ge 50\%$ of the rated value	Temperature: +85 °C Voltage: 1.25×U _R (50Hz) Duration: 1 000h
7	Temperature characteristic		Measuring capacitance at test point b, d, f: Characteristic at lower category temperature -40°C: $0 \le (C_b - C_d)/C_d \le +3\%$ Characteristic at upper category temperature +85°C: $-3.25\% \le (C_f - C_d)/C_d \le 0$	Static method: The capacitors should be kept at the following temperature in turn: a.(+20±2) °C, b.(-40±2) °C, d.(20±2) °C, f.(+85±2) °C, g.(+20±2) °C
8	Charging and discharging		$\Delta C/C \le \pm 5\%$ (relative to the initial value) Increase of tgδ: $\le 0.005 (10 \text{kHz}, C \le 1.0 \mu\text{F})$ $\le 0.005 (1 \text{kHz}, C > 1.0 \mu\text{F})$ IR: $\ge 50\%$ of the rated value	Times: 10 000 Duration of charging: 0.5s Duration of discharging: 0.5s Charging voltage: rated voltage Charging resistance: $220/C_R(\Omega)$ Discharging resistance: $R=10/C_R(\Omega)$ or 20Ω (whichever is the greater) C_R : rated capacitance (μ F)