



承 认 书

(APPROVE SHEET)

TO: platan LLC

主要材料		印字样式及成品图
组 件	材料名称	
薄 膜 Film	金属化聚酯薄膜 Metallized Polyester film	
导 线 Wire	镀锡铜包钢线 (CP) CP WireΦ0.5mm	
注型剂 Epoxy	UL94V-0 阻燃灰色环氧树脂 Flame-retardant epoxy resin(UL94V-0)-GREY	
外 壳 Case	UL94V-0 阻燃 PBT 灰色外壳 Flame-retardant plastic case(UL94V-0)-GREY	

料 号 Part No.	规 格	成品尺寸 (mm)						备注 NOTE
		W	H	T	P	L	DΦ	
BME474J1JDA00AAH/FL	BME474J63V	7.2	7.5	3.5	5	18	0.5	CN4071J-FL
Marked in bottom of box: 474J63								
If have your P/N, please write as below								

客户签承栏 CUSTOMER CONFIRM			创仕鼎承办栏 CSD OFFER		
核准 APPOVED BY	检验 CHECKED BY	承认签章 STAMP	核准 APPOVED BY	审核 MADE BY	工程签章 STAMP
					张锡炼
日期 DATE			日期 DATE	2022-10-15	

SHENZHEN CHUANGSHIDING ELECTRONICS CO.,LTD.

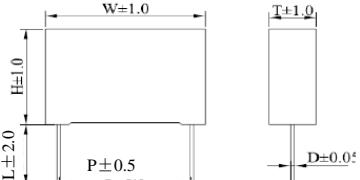
Address: Tower 3, NanTai YunChuang Valley, Tangwei, Fenghuang St., Guangming District, 518107, Shenzhen, China

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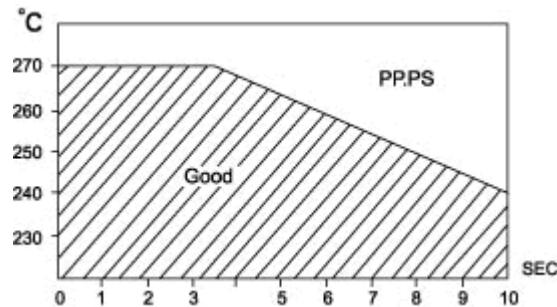
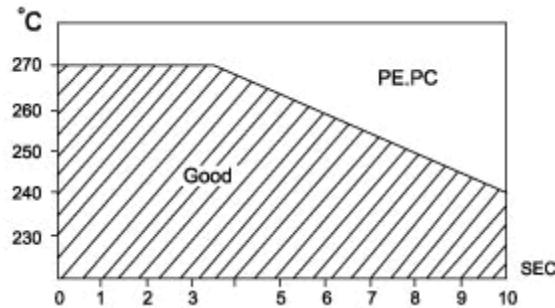
CSD-BDE-08

Specifications 规范												
Item 项次	Part NO. 料号	Cap 容量(UF)	公 差	V _R (VDC)	Dimension(尺寸)mm							
					W	H	T	P				
1	BME474J1JDA00AAH/FL	0.47	±5%	63	7.2	7.5	3.5	5				
2												
3												
4												
5												
6												
Item 项次	Name 品名	Description 内容		MARK 印字 Marked in bottom of box:474J63				Remark 备注 Color: grey				
1	FILM	Metallized Polyester film										
2	Wire	Φ 0.5mmCP wire										
3	Epoxy	(Compliance with UL 94V-0) Flame-retardant epoxy resin.										
4	Case	(Compliance with UL 94V-0) Flame-retardant plastic case.										
Operating temperature rang 使用温度范围			Max. operating temperature T _{op,max} 最高使用温度				+125°C					
			Upper category temperature T _{max} 上限温度				+95°C					
			Lower category temperature T _{min} 下限温度				-55°C					
			Rated temperature T _R 额定温度				+85°C					
高温额定电压降额标准: 1. Continuous operation with Vdc or Vac at f ≤ 60 Hz 连续使用在直流电压或 f ≤ 60Hz 交流电压			T _A (°C) 环境温度	DC voltage derating DC 电压降额				AC voltage derating AC 电压降额				
			T _A ≤85	V _C =V _R				V _{C,RMS} =V _{RMS}				
			85 < T _A ≤ 95	V _C =V _R • (150 - T _A) / 65				V _{C,RMS} =V _{RMS} • (150 - T _A) / 65				
2. Operating voltage V _{op} for short operating periods 短期使用电压 (Vdc or Vac at f ≤ 60 Hz)			T _A (°C)	DC voltage (max.hours)				AC voltage (max.hours)				
			T _A ≤95	V _{OP} =1.25 • V _C (2000 h)				V _{OP} =1.0 • V _{C,RMS} (2000 h)				
			95 < T _A ≤ 105	V _{OP} =1.25 • V _C (1000 h)				V _{OP} =1.0 • V _{C,RMS} (1000 h)				
Dissipation factor tan δ 损耗角正切 tan δ			DF≤0.010 (Temperature at 20 ± 1 °C; Frequency at 1±0.1KHz; Voltage at rmsl ± 0.1V)									
Insulation resistance R _{ins} or time constant τ=C _R • R _{ins} at ,RH≤65% 20°C绝缘电阻或时间常数			V _R	C _R ≤0.33uF				C _R >0.33uF				
			100VDC	7500MΩ				2500MΩ • UF				
DC test voltage 直流测试电压			1.4 • V _R , 60 S									
Life test 寿命试验			1000h/85°C/V _R • 1.5VDC 线路中应加一电阻, 阻值为电压每增加 1V, 阻值增加 1Ω.									
Limit values after damp heat test			Capacitance change	容量变化 △C/C ≤10%								
试验后限值			Dissipation factor change △tan δ	损耗角正切变化△tan δ ≤5 • 10 ⁻³ (at 1kHz)								
			Insulation resistance R _{ins} or time constant τ = C _R • R _{ins}	绝缘电阻 或时间常数				≥50% of minimum as-delivered values				
Failure rate λ 失效率			1 fit(≤1. 10 ⁻⁹ /h)at 0.5 • V _R , 40°C									
Service life t _{sL} 使用寿命			>30000h at 1.0 • V _R , • T _A ≤85°C									
Total failure failure due to variation of parameters 完全失效 故障原因 的变化参数			Short circuit or open circuit 短路或开路									
			Capacitance change	容量变化 △C/C >10%								
			Dissipation factor tan δ	损耗角正切 tan δ >2. upper limit value 上限值								
			Insulation resistance R _{ins} or time constant τ = C _R • R _{ins}	绝缘电阻 时间常数				<150 MΩ (C _R ≤0.33 uF) <50S (C _R ≤0.33 uF)				
客户 承认	核准	审核	确认	DIN	核准	审核	承办	日期				
						Zhang	2022-10-15					

薄膜电容性能参数 Electrical Characteristics of Film Capacitor

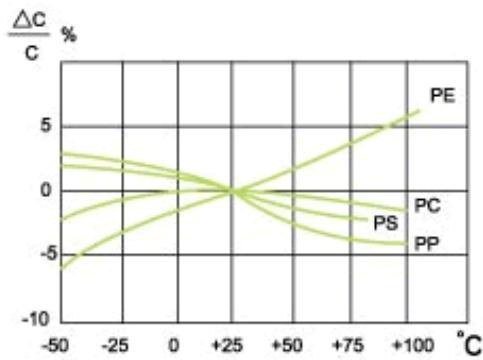
1. 焊接温度与时间对比

Soldering Temperature VS Time



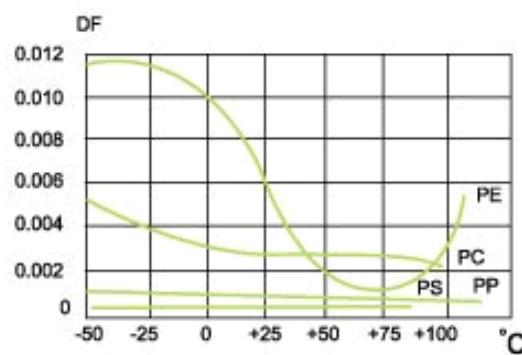
2. 温度性能

Temperature Characteristic



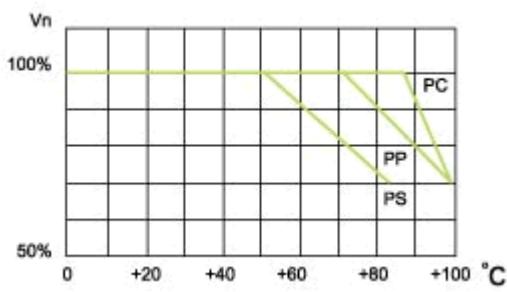
容量变化率与温度的关系

Capacitance vs. Temperature



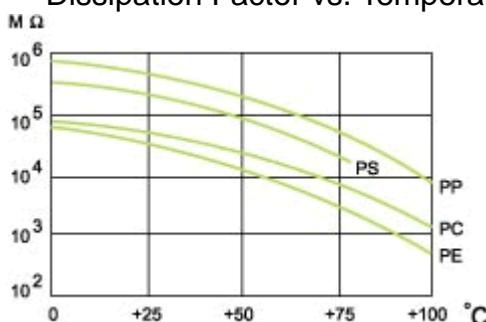
损耗角正切与温度的关系

Dissipation Factor vs. Temperature



使用电压与温度的关系

Operation voltage vs. Temperature

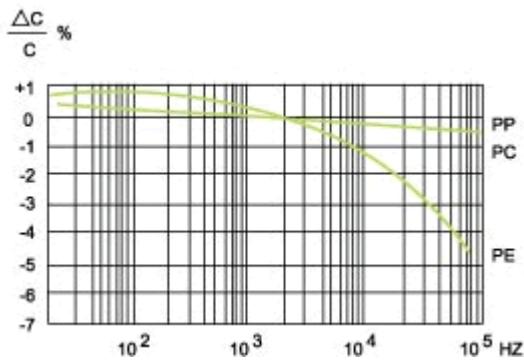


绝缘电阻与温度的关系

(CR value) IR vs. Temperature

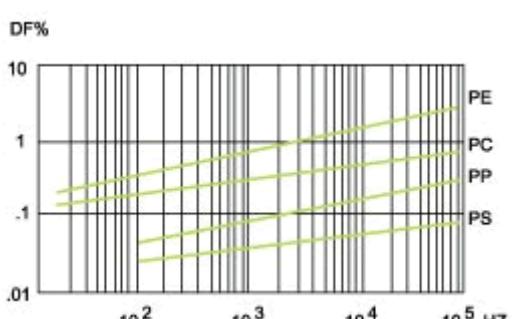
3. 频率性能

Frequency Characteristics



容量变化率与频率的关系

Capacitance vs. Frequency



损耗角正切与频率的关系

Dissipation Factor vs. Frequency