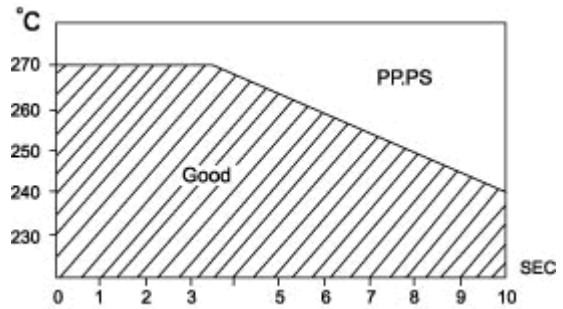
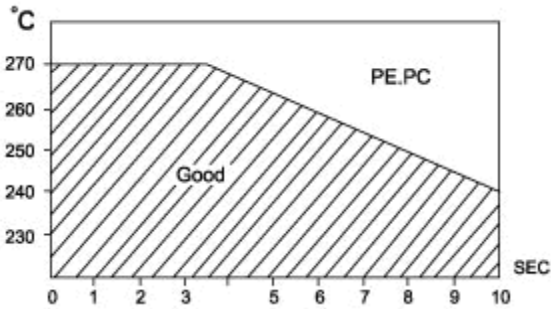


Specifications 规范											
Item 项次	Part NO. 料号		Cap 容量(UF)	公差	V _R (VDC)	Dimension(尺寸)mm					
						W	H	T	P	L	dΦ
1	BME474J1JDA00AAH/FL		0.47	±5%	63	7.2	7.5	3.5	5	18	0.5
2											
3											
4											
5											
6											
Item 项次	Name 品名	Description 内容	MARK 印字 Marked in bottom of box:474J63						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 高温额定电压降额标准: 1.Continuous operation with V _{dc} or V _{ac} at f ≤60 HZ 连续使用在直流电压或 f ≤60HZ 交流电压 2.Operating voltage V _{op} for short operating periods 短期使用电压 (V _{dc} or V _{ac} at f≤60 Hz)			Max. operating temperature T _{op,max} 最高使用温度		+125℃						
			Upper category temperature T _{max} 上限温度		+95℃						
			Lower category temperature T _{min} 下限温度		-55℃						
			Rated temperature T _R 额定温度		+85℃						
			T _A (℃) 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			
			T _A (℃)		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℃绝缘电阻或时间常数			V _R		C _R ≤0.33uF			C _R >0.33uF			
			100VDC		7500M Ω			2500M Ω · UF			
DC test voltage 直流测试电压			1.4 · V _R 60 S								
Life test 寿命试验 Limit values after damp heat test 试验后限值			1000h/85℃/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.								
			Capacitance change 容量变化 ΔC/C		≤10%						
			Dissipation factor change Δtan δ 损耗角正切变化Δtan δ		≤5 · 10 ⁻³ (at 1kHz)						
			Insulation resistance R _{ins} 绝缘电阻		≥50% of minimum						
Failure rate λ 失效率			1 fit(≤1. 10 ⁻⁹ /h)at 0.5 · V _R ,40℃								
Service life t _{sL} 使用寿命			>30000h at 1.0 · V _R , · T _A ≤85℃								
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 ΔC/C		>10%						
			Dissipation factor tan δ 损耗角正切 tan δ		>2. upper limit value 上限值						
			Insulation resistance R _{ins} 绝缘电阻		<150 M Ω (C _R ≤0. 33 uF)						
			or time constant τ =C _R · R _{ins} 时间常数		<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	设计编号		
							Zhang	2022-10-15			

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

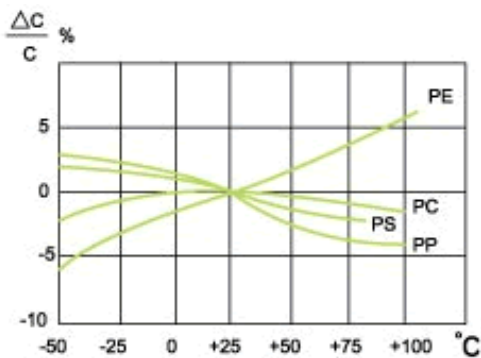
1. 焊接温度与时间对比

Soldering Temperature VS Time



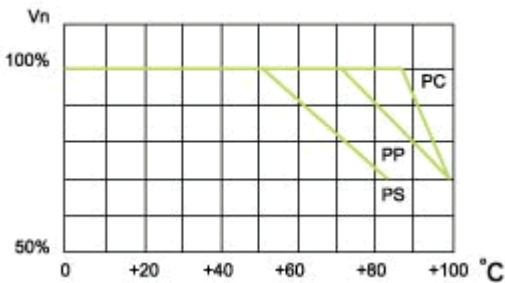
2. 温度性能

Temperature Characteristic



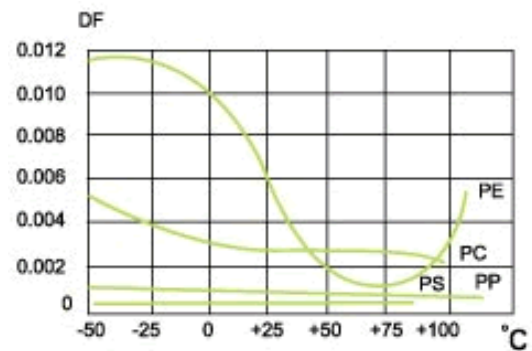
容量变化率与温度的关系

Capacitance vs. Temperature



使用电压与温度的关系

Operation voltage vs. Temperature



损耗角正切与温度的关系

Dissipation Factor vs. Temperature

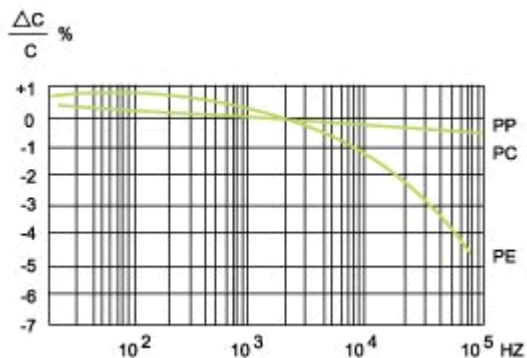


绝缘电阻与温度的关系

(CR value) IR vs. Temperature

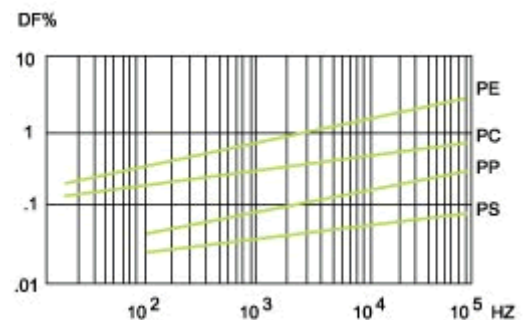
3. 频率性能

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