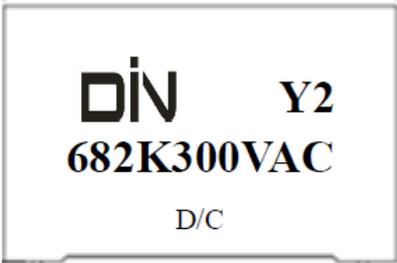
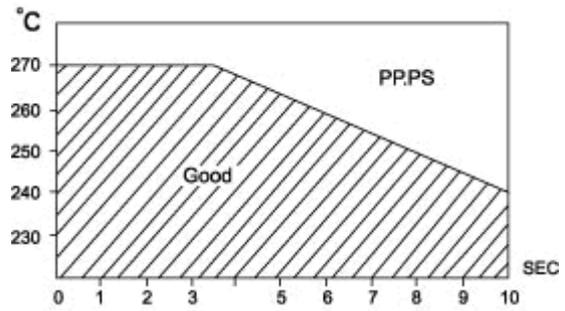
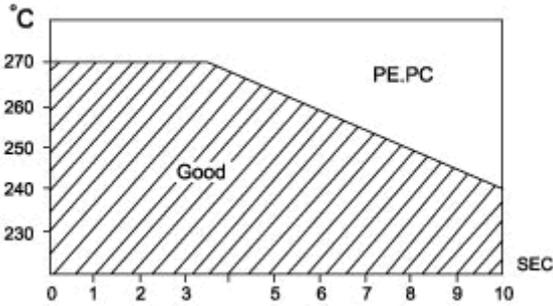


Specifications 规范										
Item 项次	Part NO. 料号	Cap 容量(UF)	公差	V _R (VAC)	Dimension(尺寸)mm					
					W	H	T	P	L	D
1	C686823ECDKS2BAA00	0.0068	±10%	300	12	11	5	10	15	0.6
2										
3										
4										
Item 项次	Name 品名	Description 内容	MARK 印字					COLOR: GREY		
1	Film	Metallized Polypropylene film								
2	Wire	Φ0.6mmCP wire								
3	Epoxy	(Compliance with UL94V-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						+110℃		
		Lower category temperature T _{min} 下限温度						-40℃		
Operating AC voltage V _{op} at high temperature 高温交流电压		T _A ≤100		V _{OP} =1.0 · V _{AC} (continuously)						
		T _A ≤100		V _{OP} =1.25 · V _{AC} (1000 h)						
Dissipation factor tan δ 损耗角正切 tan δ		DF≤0.001 (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		C _R ≤0.33uF		C _R >0.33uF			充电电压 100VAC			
		15000MΩ		5000 MΩ · uf			充电时间 60S			
Passive flammability category to IEC 40 (CO) 752		B								
DC test voltage 直流测试电压		4000V(DC) 2 S								
Life test 寿命试验		1000h/85℃/V _R · 1.25 每小时将电压升至 1000VAC/60HZ, 时间为 0.1 秒, 每一电容加一 10Ω 的电阻								
Limit values after damp heat test 试验后限值		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					
		or time constant τ = C _R · R _{ins} 或时间常数			as-delivered values					
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 完全失效		open circuit 开路								
failure due to 故障原因		Capacitance change 容量变化 ΔC/C			>10%					
variation 的变化参数		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 MΩ (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	
							张锡炼	2022-04-20		

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

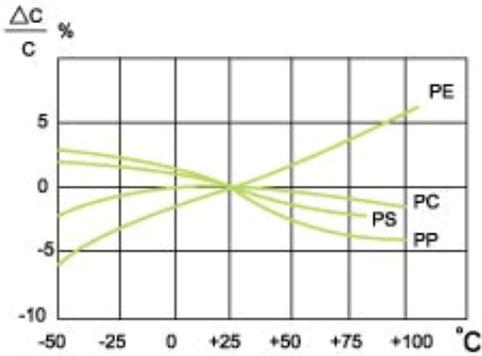
1. 焊接温度与时间对比

Soldering Temperature VS Time



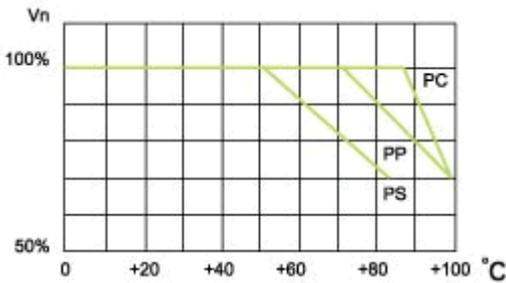
2. 温度性能

Temperature Characteristic



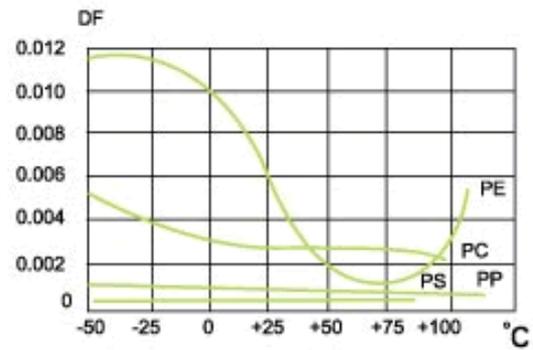
容量变化率与温度的关系

Capacitance vs. Temperature



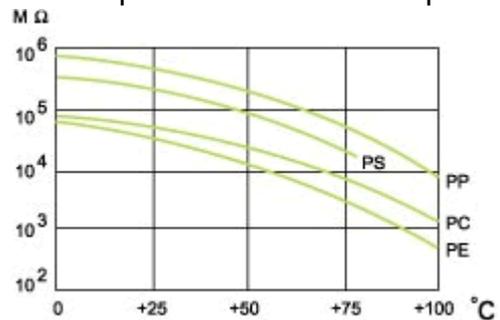
使用电压与温度的关系

Operation voltage vs. Temperature



损耗角正切与温度的关系

Dissipation Factor vs. Temperature

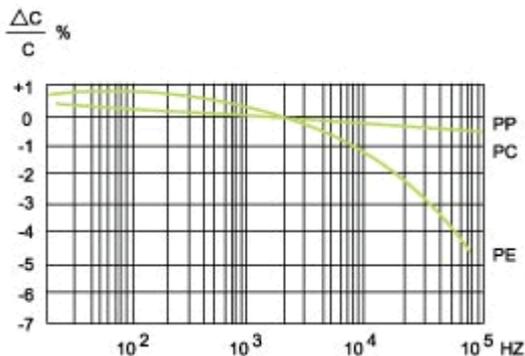


绝缘电阻与温度的关系

(CR value) IR vs. Temperature

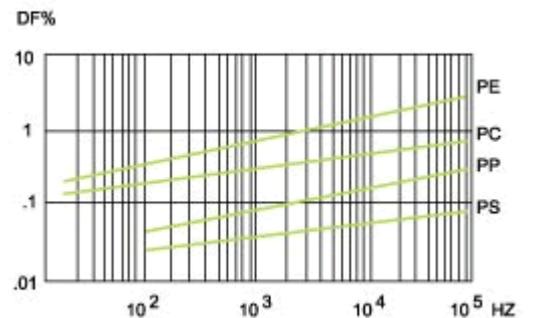
3. 频率性能

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