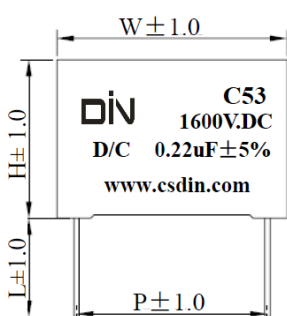
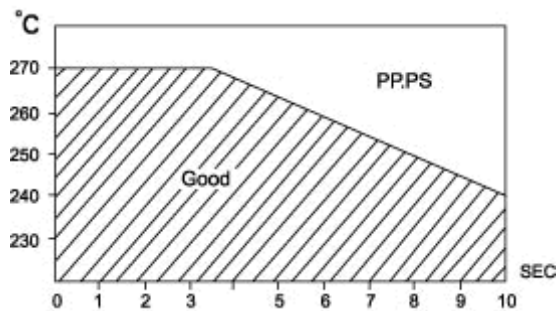
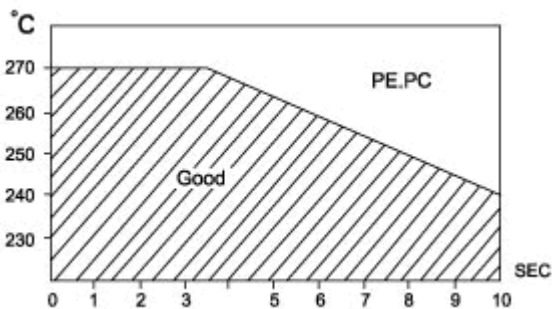


Item 项次	Part NO. 料号	Cap 容量(UF)	Tol. 公差	V _R (VDC)	Dimension(尺寸)mm					
					W	H	T	P	L	dΦ
1	C532242JJ6J3H5A0L0	0.22	±5%	1600	42.5	28	17	37.5	5.5	1.2
2										
Item 项次	Name 品名	Description 内容	MARK 印字							
1	FILM	Doublesided Metalized Polypropylene film	Remark 备注: ROHS							
2	Wire	1.2CUwire								
3	Epoxy	Flame-retardant epoxy resin.								
Operating temperature rang 使用温度范围			Max. operating temperature T _{op,max} 最高使用温度				+105℃			
			Upper category temperature T _{max} 上限温度				+95℃			
			Lower category temperature T _{min} 下限温度				-40℃			
			Rated temperature T _R 额定温度				+85℃			
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 2.Operating voltage Vop for short operating periods 短期使用电压 (Vdc or Vac at f ≤ 60 Hz)			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 · (165 - T _A) / 80		V _{C,RMS} = V _{RMS} · (165 - T _A) / 80			
			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 ≤ 0.0010 (Temperature at 20 ± 1 °C; Frequency at 10 ± 0.1KHZ; Voltage at rms ± 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 100VDC			
			15000M Ω		5000 M Ω · uF		充电时间 60S			
DC test voltage 直流测试电压			1.6 * V _R (DC) 10S CR < 0.33 uF 测试电流为 10MA CR > 0.33 uF 测试电流为 50MA							
Life test 寿命试验			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 1 Ω.							
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		≤ 1.0 · 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 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		0%					
			Dissipation factor tan δ 损耗角正切 tan δ		> 4. upper limit value 上限值					
			Insulation resistance R _{ins} 绝缘电阻		< 150M 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

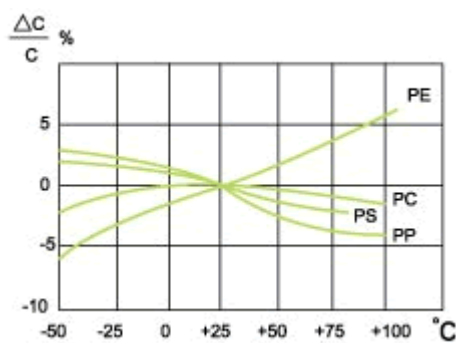
1. 焊接温度与时间对比

Soldering Temperature VS Time



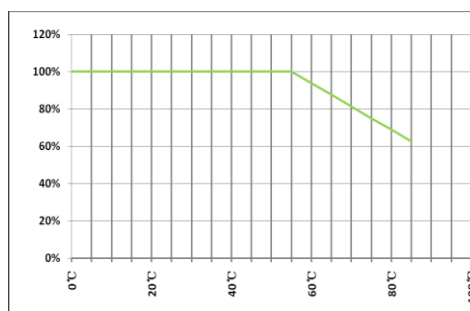
2. 温度性能

Temperature Characteristic



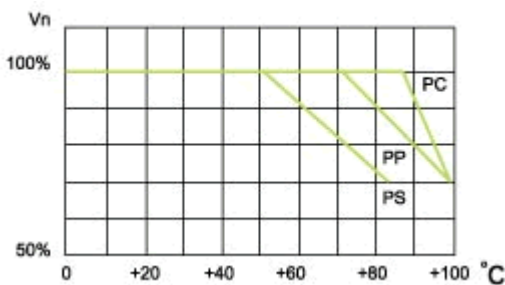
容量变化率与温度的关系

Capacitance vs. Temperature



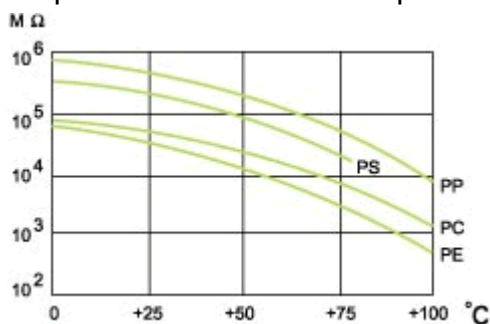
有效电流与温度的关系

Operation current vs. Temperature



使用电压与温度的关系

Operation voltage vs. Temperature

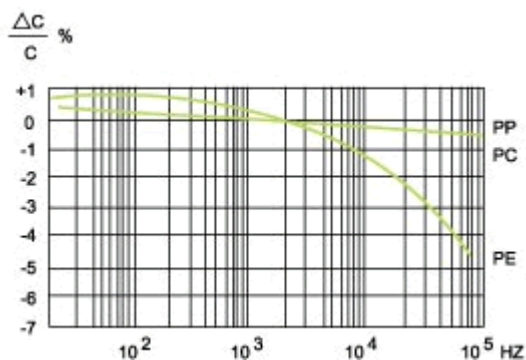


绝缘电阻与温度的关系

(CR value) IR vs. Temperature

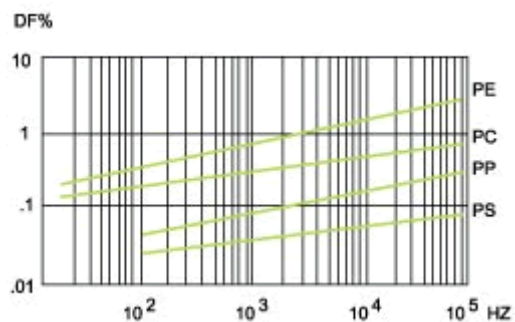
3. 频率性能

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