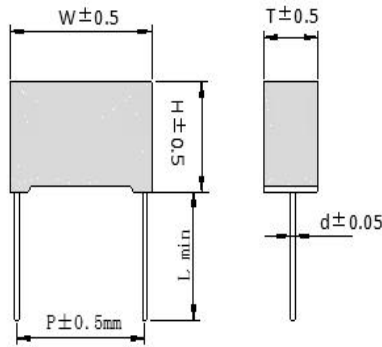


承认书

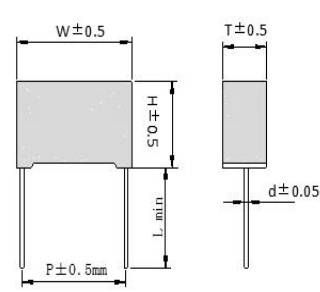
SPECIFICATIONS FOR APPROVAL

TO: _____

主要材料 Main Materials		成品图 Outline
组 件 Items	材料名称 Name of Material	 <p>外形图</p>
薄 膜 Film	金属化聚丙烯稀薄膜 Metallized Polypropylene film	
导 线 Wire	镀锡铜包钢线 (CP) CPWireΦ0.6mm	
外 壳 CASE	PBT UL94V-0 阻燃灰色塑胶外壳 PBT CASE (UL94V-0)-Gray	
注型剂 Epoxy	UL94V-0 阻燃灰色环氧树脂 Gray Epoxy resin coating (UL94V-0)	

料 号 Part No.	规 格 TYPE	成品尺寸 Dimension (mm)							备注 NOTE
		W	H	T	P	L	DΦ		
MPX105K3182X20046	X2 105K275VAC	13	16	8	10	20	0.6	600V	

客户签承栏 CUSTOMER CONFIRM			承办栏 KNS OFFER		
核准 APPROVED BY	检验 CHECKED BY	承认签章 STAMP	核准 APPROVED BY	审核 MADE BY	工程签章 STAMP
			刘淑芬	徐贵南	刘军军
日期 DATE			日期 DATE	2023/05/13	

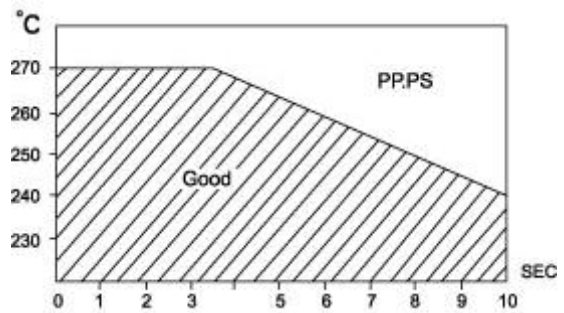
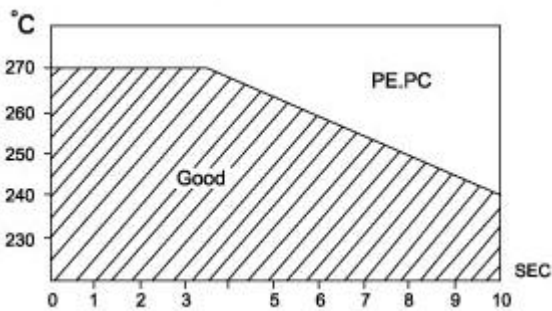
Specifications 规范											
Item 项次	Part NO. 料号		Cap 容量(uF)	公差	V _R (VAC)	Dimension(尺寸)mm					
						W	H	T	P	L	D
1	MPX105K3182X20046		1.0	±10%	275	13	16	8	10	20	0.6
Item 项次	Name 品名	Description 内容	MARK 								
1	Film	Metallized Polypropylene film									
2	Wire	Φ0.6mmCP wire									
3	Epoxy	(Compliance with UL94V-0)Flame-retardant epoxy resin.									
4	Case	(Compliance with UL 94V-0) Flame-retardant plastic case.									
Operating temperature range 使用温度范围			Max. operating temperature T _{op,max} 最高使用温度						+105℃		
			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 (℃)环境温度			AC voltage AC 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≤0.0008 (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		
			15000M Ω			5000 M Ω · uf			充电时间 60S		
Passive flammability category to IEC 40 (CO) 752			B								
DC test voltage 直流测试电压			600VDC 60 S								
Life test 寿命试验			1000h/85℃/V _R · 1.25 每小时将电压升至 200VAC/60HZ, 时间为 0.1 秒, 每一电容加一 17 Ω 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 failure due to variation of parameters 完全失效 故障原因 的变化参数			open circuit 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	核准	审核	承办	日期	设计编号			
				刘淑芬	徐贵南	刘军军	2023/05/13				

免责条例:如因客户使用电容器环境超出电容器规范书标准,我司概不承担任何责任.

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

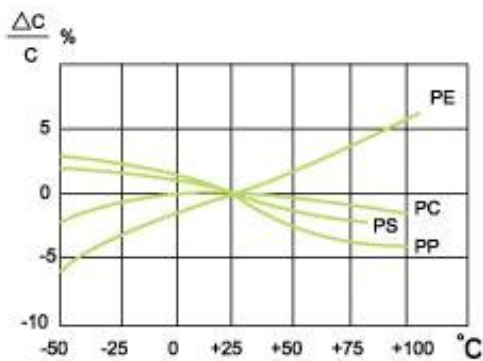
1. 焊接温度与时间对比

Soldering Temperature VS Time



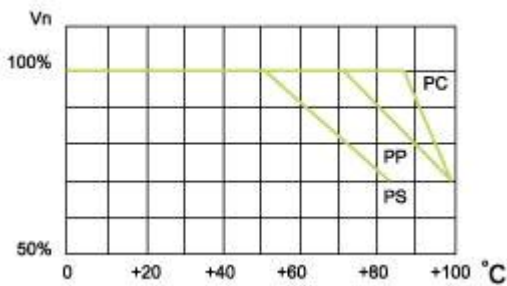
2. 温度性能

Temperature Characteristic



容量变化率与温度的关系

Capacitance vs. Temperature

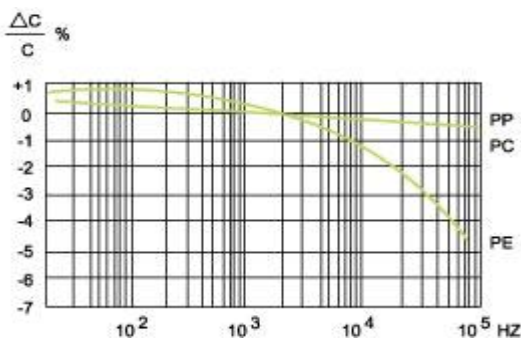


使用电压与温度的关系

Operation voltage vs. Temperature

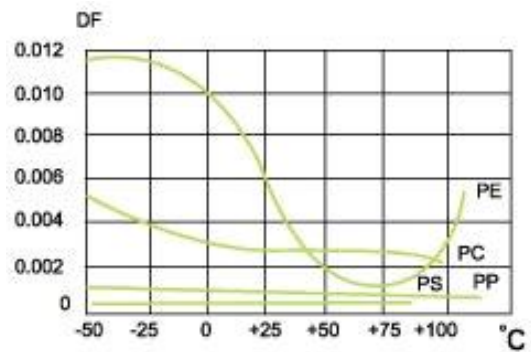
3. 频率性能

Frequency Characteristics



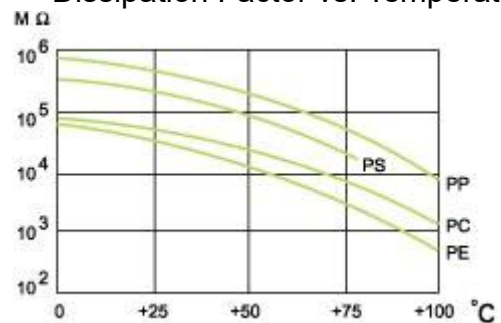
容量变化率与频率的关系

Capacitance vs. Frequency



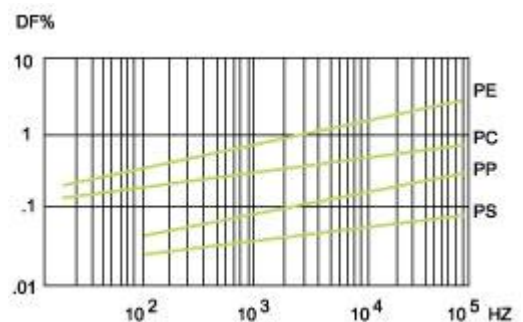
损耗角正切与温度的关系

Dissipation Factor vs. Temperature



绝缘电阻与温度的关系

(CR value) IR vs. Temperature



损耗角正切与频率的关系

Dissipation Factor vs. Frequency