



# 承 认 书

(APPROVE SHEET)

TO: platan LLC

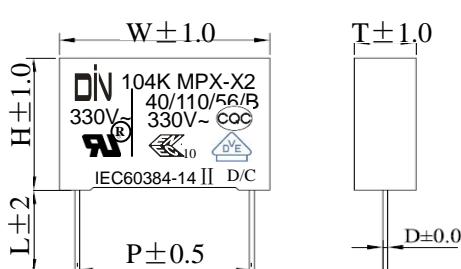
主要材料 Main Materials		成品图 Outline
组 件 Items	材料名称 Name of Material	
薄 膜 Film	金属化聚丙稀薄膜 Metalized Polypropylene film	
导 线 Wire	镀锡铜包钢线 (CP) CP WireΦ0.8mm	
外 壳 CASE	PBT UL94V-0 阻燃灰色塑胶外壳 PBT CASE (UL94V-0 )-GREY	
注型剂 Epoxy	UL94V-0 阻燃灰色环氧树脂 GREY Epoxy resin coating ( UL94V-0 )	

料 号 Part No.	规 格 TYPE	成品尺寸 Dimension (mm)						备注 NOTE
		W	H	T	P	L	DΦ	
X2104K2FAE70AAH/ZDIN	X2/104K330VAC	18	12	6	15	15	0.8	DG6026

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
					Zhang
日期 DATE			日期 DATE	2022-10-14	

SHENZHEN CHUANGSHIDING ELECTRONICS CO.,LTD.

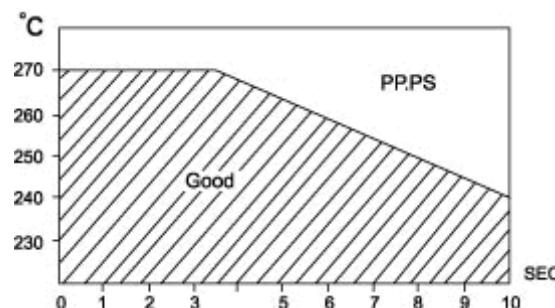
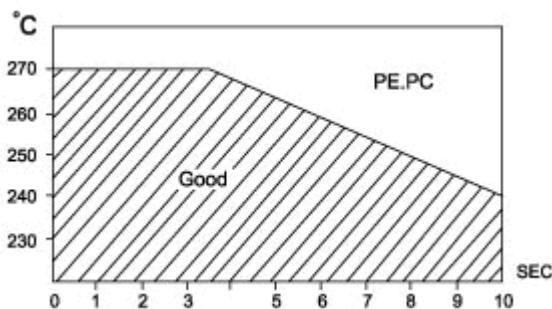
Address: Tower 3, NanTai YunChuang Valley, Tangwei, Fenghuang St. , Guangming District, 518107, Shenzhen, China  
TEL: 0755—29948886 29948363 FAX: 0755—29948916

Specifications 规范																
Item 项次	Part NO. 料号	Cap 容量(UF)	公差	V <sub>R</sub> (VAC)	Dimension(尺寸)mm											
					W	H	T	P	L							
1	X2104K2FAE70AAH/ZDIN	0.1	±10%	330	18	12	6	15	15							
2																
3																
4																
Item 项次	Name 品名	Description 内容		MARK 印字						COLOR: GREY						
1	Film	Metallized Polypropylene film														
2	Wire	Φ0.8mmCP 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 <sub>op,max</sub> 最高使用温度					+110°C									
		Lower category temperature T <sub>min</sub> 下限温度					-40°C									
Operating AC voltage V <sub>op</sub> at high temperature 高温交流电压		T <sub>A</sub> (°C)环境温度	AC voltage AC 电压													
		T <sub>A</sub> ≤100	V <sub>OP</sub> =1.0 • V <sub>AC</sub> (continuously)													
		T <sub>A</sub> ≤100	V <sub>OP</sub> =1.25 • V <sub>AC</sub> (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 <sub>ins</sub> or time constant τ=C <sub>R</sub> • R <sub>ins</sub> at ,RH≤65% 20°C绝缘电阻或时间常数		C <sub>R</sub> ≤0.33uF	C <sub>R</sub> >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		4.3 *V <sub>R</sub> (DC) 60 S														
Life test 寿命试验 Limit values after damp heat test 试验后限值		1000h/110°C/VR • 1.25 每小时将电压升至 1000VAC/60HZ,时间为 0.1 秒, 每一电容加一 47Ω 的电阻														
		Capacitance change 容量变化  △C/C  ≤10%														
		Dissipation factor change △tan δ 损耗角正切变化△tan δ ≤5 • 10 <sup>-3</sup> (at 1kHz)														
		Insulation resistance R <sub>ins</sub> 绝缘电阻 ≥50% of minimum or time constant τ = C <sub>R</sub> • R <sub>ins</sub> 或时间常数 as-delivered values														
Failure rate λ 失效率		1 fit(≤1. 10 <sup>-9</sup> /h)at 0.5 • V <sub>R</sub> ,40°C														
Service life t <sub>sL</sub> 使用寿命		>30000h at 1.0 • V <sub>R</sub> , • T <sub>A</sub> ≤85°C														
Total failure 完全失效 failure due to 故障原因 variation 变化参数 of parameters		open circuit 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 <sub>ins</sub> 绝缘电阻 <150 M Ω (C <sub>R</sub> ≤0. 33 uF) or time constant τ = C <sub>R</sub> • R <sub>ins</sub> 时间常数 <50S (C <sub>R</sub> ≤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		2022-10-14								

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

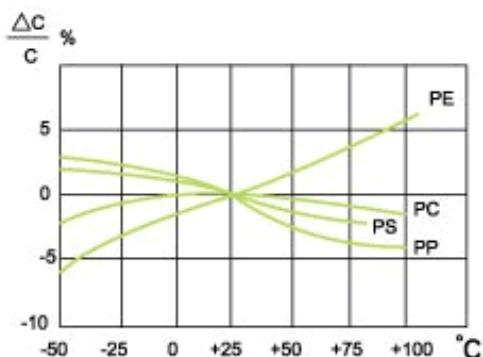
## 1. 焊接温度与时间对比

Soldering Temperature VS Time



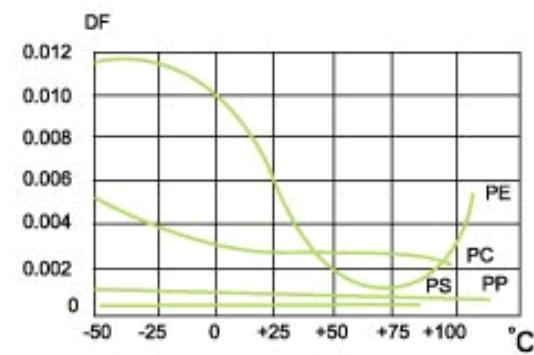
## 2. 温度性能

Temperature Characteristic



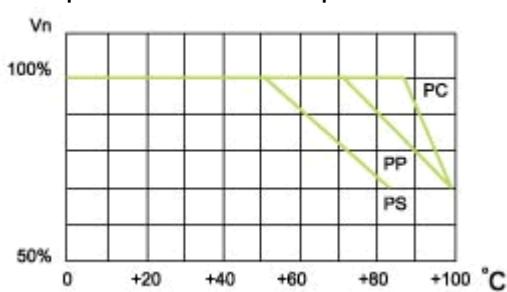
容量变化率与温度的关系

Capacitance vs. Temperature



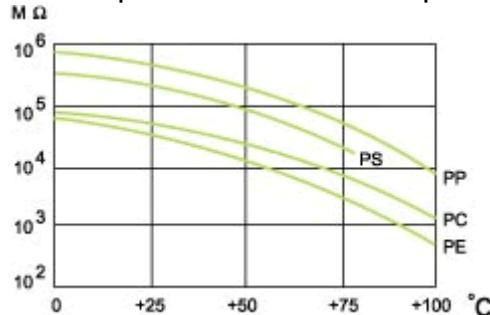
损耗角正切与温度的关系

Dissipation Factor vs. Temperature



使用电压与温度的关系

Operation voltage vs. Temperature

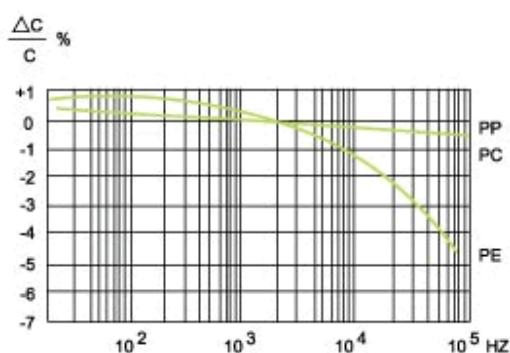


绝缘电阻与温度的关系

(CR value) IR vs. Temperature

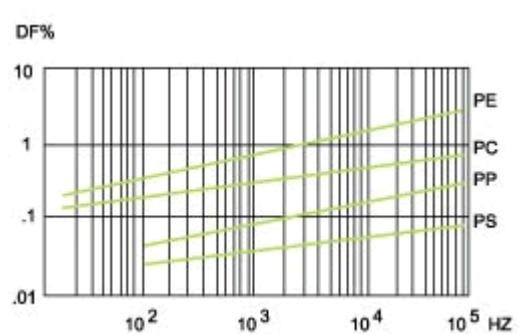
## 3. 频率性能

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