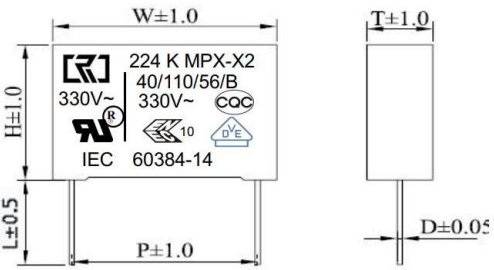




承 认 书

(APPROVE SHEET)

TO: X2 安规电容0.22 μ F $\pm$ 10% 330VAC

主要材料 Main Materials		成品图 Outline
组 件 Items	材料名称 Name of Material	
薄 膜 Film	金属化聚丙烯稀薄膜 Metalized Polypropylene film	
导 线 Wire	镀锡铜包钢线 CP Wire Φ 0.8mm	
外 壳 CASE	UL94V-0 灰色塑胶外壳 CASE (UL94V-0)-GREY	
注塑剂 Epoxy	UL94V-0 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	D	
GX4077C	X2224K330VAC	18	13.5	7.5	15	3.5	0.8	

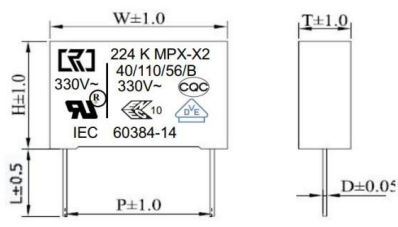
客户签承栏 CUSTOMER CONFIRM			创容承办栏 CR OFFER		
核准 APPROVED BY	检验 CHECKED BY	承认签章 STAMP	核准 APPROVED BY	审核 MADE BY	工程签章 STAMP
				袁邦强	李宛秋
日期 DATE			日期 DATE	2023-03-11	

深 圳 市 创 容 新 能 源 有 限 公 司

SHENZHEN CRC NEW ENERGY CO., LTD

深圳市光深深圳市宝安区松岗街道燕川社区北部工业园研发中心 6 楼 7 楼

TEL: 0755—29948883 29948998 FAX: 0755—29948906 <http://www.csdcap.com>

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	GX4077C		0.22	± 10%	330	18	13.5	7.5	15	3.5	0.8
2											
3											
Item 项次	Name 品 名	Description 内容	MARK 印字 						COLOR: BLACK CASE BLACK EPOXY		
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 _{op,max} 最高使用温度						+110℃		
			Lower category temperature T _{min} 下限温度						-40℃		
			T _A (℃)环境温度		AC voltage AC 电压						
			T _A ≤100		V _{OP} =1.0 • V _{AC} (continuously)						
Operating AC voltage V _{op} at high temperature 高温交流电压			T _A ≤100		V _{OP} =1.25 • V _{AC} (1000 h)						
			Dissipation factor tan δ 损耗角正切 tan δ								
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		
Passive flammability category to IEC 40 (CO) 752			B								
DC test voltage 直流测试电压			4.3 *V _R (DC) 10S								
High pressure test 耐高压测试			Electric capacity 电容量		rate change≤3%		500V.AC/ 50Hz / 24H				
Life test 寿命试验 Limit values after damp heat test 试验后限值			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 17 Ω 的电阻								
			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} or time constant τ = C _R • R _{ins}		绝缘电阻 ≥50% of minimum 或时间常数 as-delivered values						
耐湿负荷测试 THB test (Damp heat test loading)			Temperature:85±2℃; Humidity:85±2%;Voltage:240Vac@50Hz;Duration:1000hours Capacitance change(ΔC/C) ≤30%。								
Failure rate λ 失效率 Service life t _{sL} 使用寿命			1 fit(≤1. 10 ⁻⁹ /h)at 0.5 • V _R ,40℃								
			>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} or time constant τ =C _R • R _{ins}		绝缘电阻 <150 M Ω (C _R ≤0. 33 uF) 时间常数 <50S (C _R ≤0. 33 uF)						
客 户 承认	核准	审核	确认	CSD	核 准	审 核	承 办	日 期	设计编号		
							李宛秋	2023-03-11	G160725002		

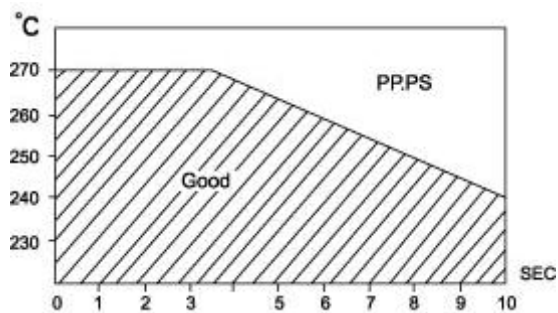
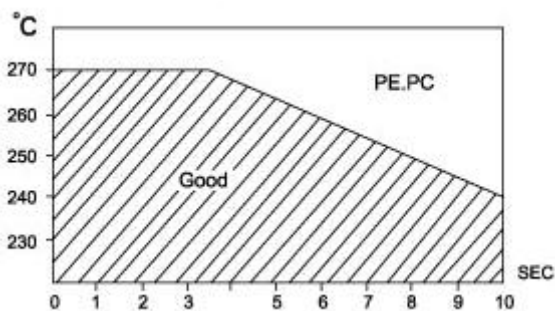
免责条例:如因客户使用电容器环境超出电容器规范书标准,我司概不承担任何责任.

SHENZHEN CRC NEW ENERGY CO., LTD

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

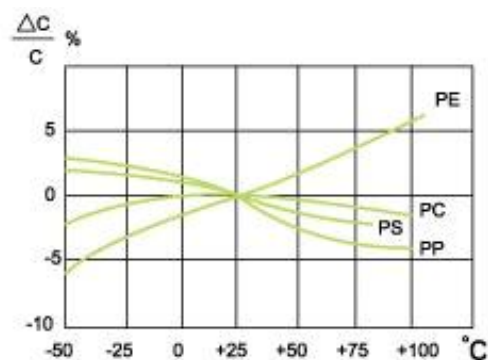
1. 焊接温度与时间对比

Soldering Temperature VS Time



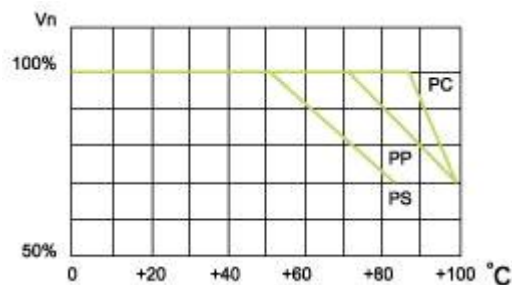
2. 温度性能

Temperature Characteristic



容量变化率与温度的关系

Capacitance vs. Temperature

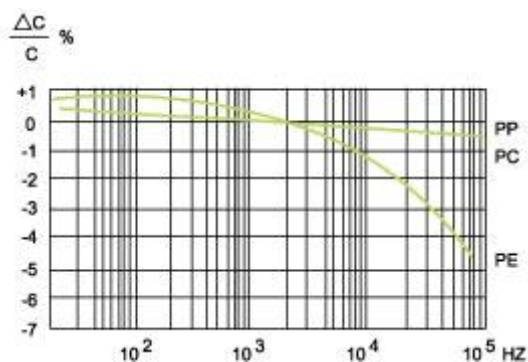


使用电压与温度的关系

Operation voltage vs. Temperature

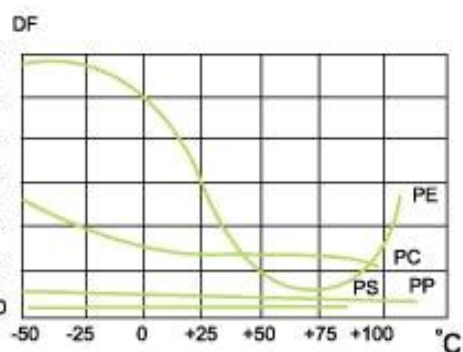
3. 频率性能

Frequency Characteristics



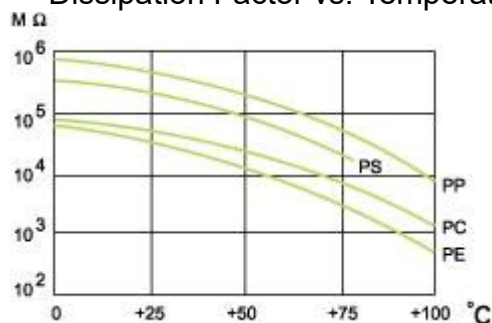
容量变化率与频率的关系

Capacitance vs. Frequency



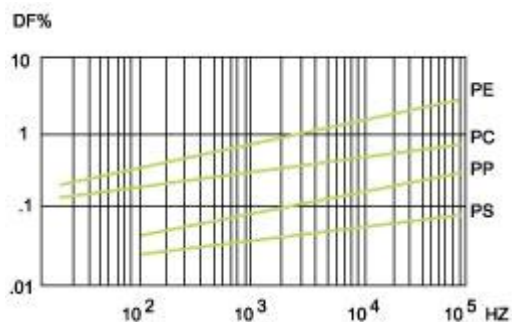
损耗角正切与温度的关系

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