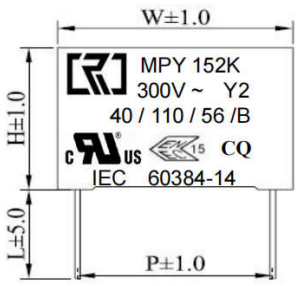
创容新能源
CRC NEW ENERGY

承　认　书
(APPROVE　SHEET)

TO:　Y2 安规电容0.0015μF±10%300VAC

主要材料 **Main Materials**		成品图 **Outline**
项 Items	材料名称 Name of Material	
薄　膜 Film	金属化聚丙烯薄膜 Metallized Polypropylene Film	
导　线 Wire	Φ0.6mm 镀锡铜包钢线 CP Wire Φ0.6mm	
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 Epoxy resin（ UL94V-0）-GREY	

料　号 Part No.	规　格 TYPE	成品尺寸 Dimension（mm）						备注 NOTE
		W	H	T	P	L	D	
GY2012	Y2/152K300VAC	13	9	4	10	25	0.6	

客户签承栏 **CUSTOMER CONFIRMATION**			创容承办栏 **CRC OFFER**		
核准 **APPROVED BY**	**检验** **CHECKED BY**	**承认签章** **STAMP**	**核准** **APPROVED BY**	**审核** **PREPARED BY**	**拟制** **STAMP**
					李爱
日期 DATE			**日期 DATE**	**2022-07-14**	

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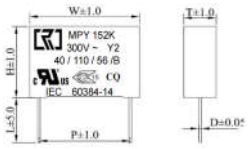
Specifications 规范

Item 项次	Part NO. 料号	Cap 容量(μF)	公差	V_R (VAC)	Dimension(尺寸)mm W	H	T	P	L	d
1	GY2012	0.0015	±10%	300	13	9	4	10	25	0.6
2										
3										
4										

Item 项	Name 品 名	Description 内容
1	Film	Metallized Polypropylene Film
2	Wire	Φ0.6mm CP Wire
3	Epoxy	(Compliance with UL94V-0) Flame-retardant Epoxy Resin
4	Case	(Compliance with UL 94V-0) Flame-retardant Plastic Case

MARK 印字



COLOR:
GREY

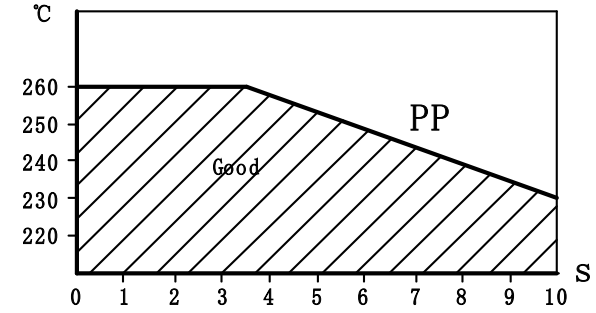
Operating temperature rang 使用温度范围	Max. operating temperature $T_{op.max}$ 最高使用温度		+110℃
	Lower category temperature T_{min} 下限温度		-40℃
Dissipation factor tan δ 损耗角正切 tan δ	DF≤0.0015 （Temperature at 20 ± 1 ℃; Frequency at 1± 0.1KHz; Voltage at rmsl ± 0.1V）		
Insulation resistance R_{ins} or time constant $\tau=C_R \cdot R_{ins}$ 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
	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 2s		
Life test 寿命试验 Limit values after damp heat test 试验后限值	1000h/105℃/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 17Ω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^{-3}(at 1kHZ)		
	Insulation resistance R_{ins} or time constant $\tau = C_R \cdot R_{ins}$ 绝缘电阻 或时间常数		≥50% of minimum as-delivered values
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 完全失效 failure due to 故障原因 variation 的变化参数 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_{ins} 绝缘电阻 ＜7500 MΩ （C_R≤0. 33 uF）		

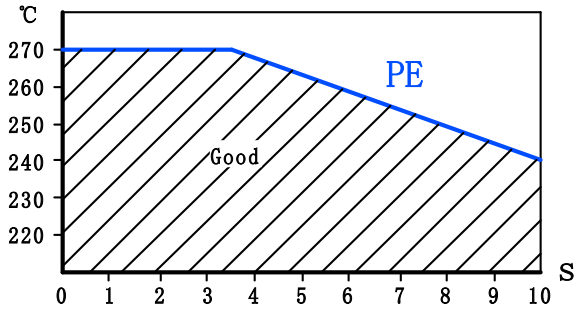
客户承认	核准	审核	确认	CRC	核准	审核	拟制	日期	设计编号
							李爱	2022-07-14	E180703001

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.

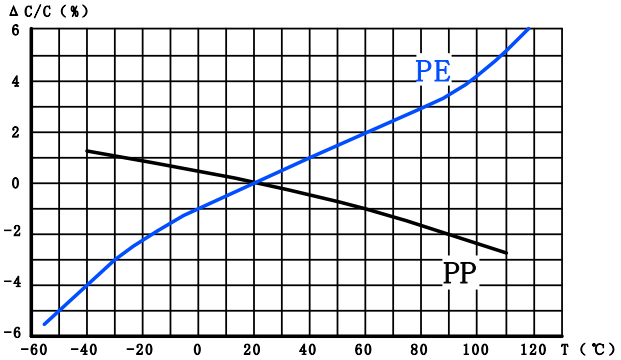
薄膜电容器特性 Characteristics of Film Capacitor

1. 焊接温度与时间对比 Soldering Temperature VS Time

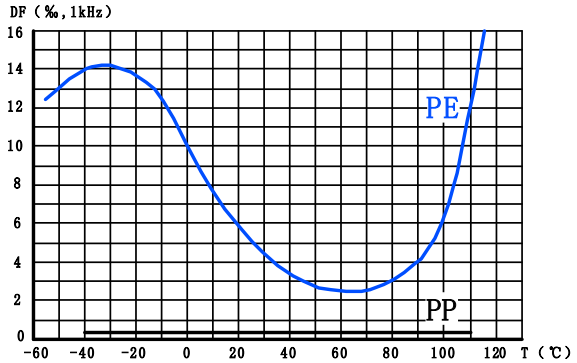




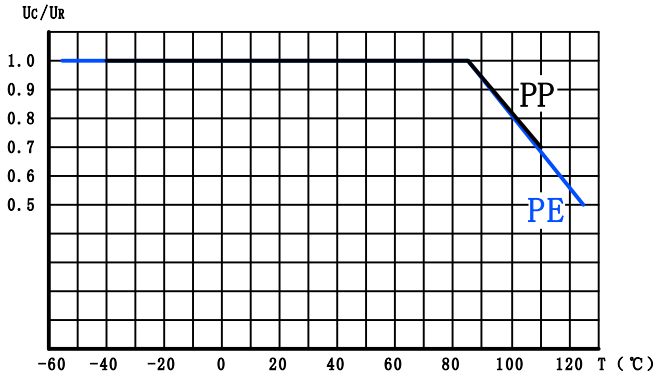
2. 温度特性 Temperature Characteristic



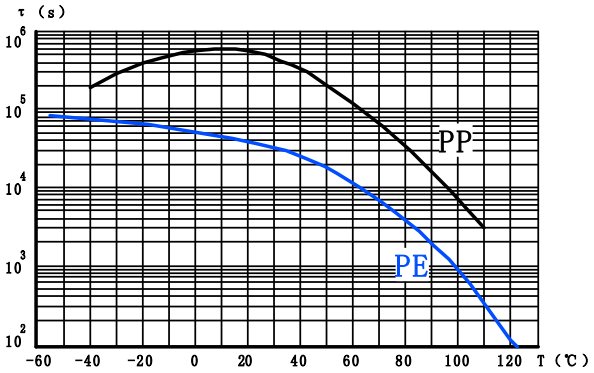
容量变化率与温度的关系 Capacitance vs. Temperature



损耗角正切与温度的关系 Dissipation Factor vs. Temperature

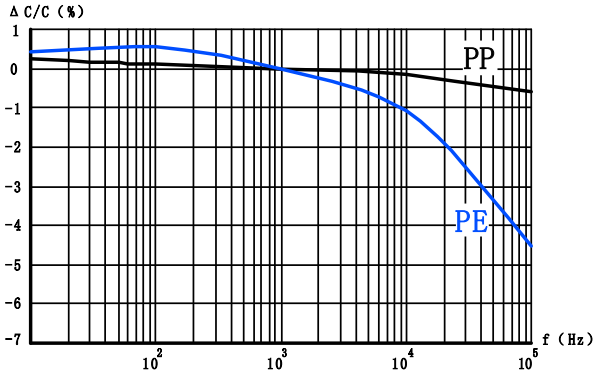


使用电压与温度的关系 Operation voltage vs. Temperature

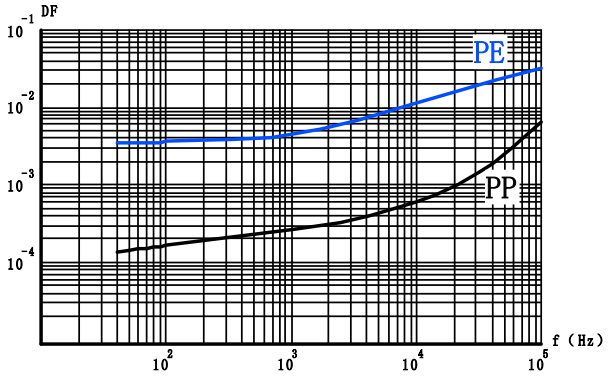


绝缘电阻与温度的关系(CR value) IR vs. Temperature

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

说明 Note： PP—聚丙烯膜电容器 Polypropylene Film Capacitor；PE—聚酯膜电容器 Polyester Film Capacitor