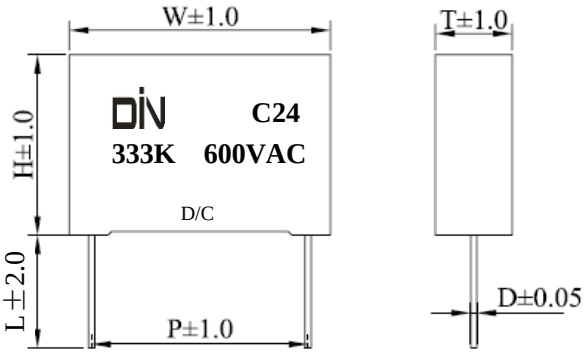
CHUANG SHI DING

承　认　书
(APPROVE　SHEET)

TO: Platan

主要材料 Main Material		印字样式及成品图 MARK&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 Wire	
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）	

Part No	规　格 Type	成品尺寸 Dimention（mm）						
		W	H	T	P	L	DΦ	
C243332IEDK42CAA00	C24333K600VAC	18	16	10	15	15	0.8	

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
				深圳市创仕鼎电子有限公司 工程部	张锡炼
日期 DATE			日期 DATE	2022-06-07	

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

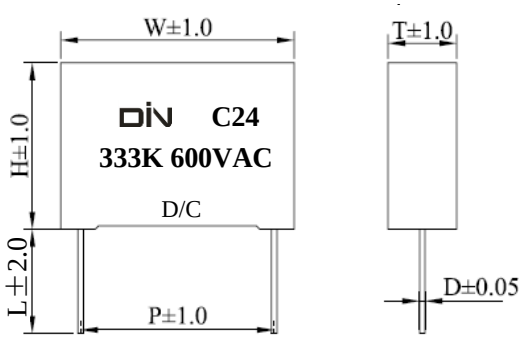
HTTP:/ /WWW.CSDIN.COM　　E—MAIL:SALES@CSDIN.COM

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	C243332IEDK42CAA00	0.033	±10%	600	18	16	10	15	15	0.8
2										
3										

Item 项次	Name 品 名	Description 内容
1	Film	Metalized Polypropylene film
2	Wire	CP Wire
3	Epoxy	Epoxy resin coating（ UL94V-0） GREY
4	Case	(PBT CASE (UL94V-0)- GREY

MARK 印字



COLOR: GREY

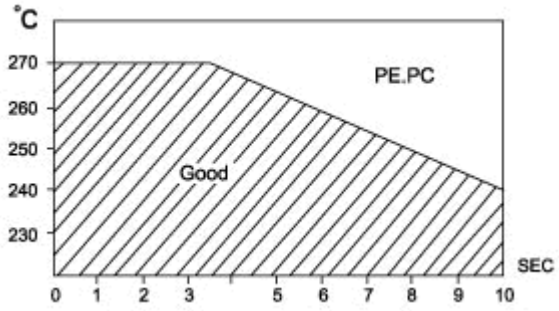
Operating temperature rang 使用温度范围	Max. operating temperature $T_{op.max}$ 最高使用温度		+110℃
	Lower category temperature T_{min} 下限温度		-40℃
Operating AC voltage Vop at high temperature 高温交流电压	T_A(℃)环境温度	AC voltage AC 电压	
	T_A≤100	V_{OP}=1.0 • V_{AC}(continuously)	
	T_A≤100	V_{OP}=1.25 • V_{AC}(1000 h)	
Dissipation factor tan δ 损耗角正切 tan δ	DF≤0.001 （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 100VAC
	15000MΩ	5000 MΩ • uf	充电时间 60S
Passive flammability category to IEC 40 (CO) 752	C		
DC test voltage 直流测试电压	1.6 *V_R(DC) 60S		
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 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	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 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} or time constant $\tau = C_R \cdot R_{ins}$ 绝缘电阻 时间常数	＜150 MΩ ＜50S	(C_R≤0. 33 uF) (C_R≤0. 33 uF)

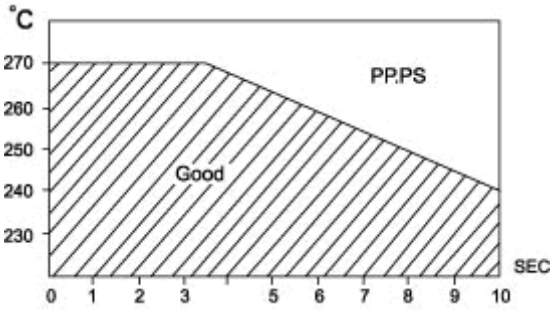
客 户 承认	核准	审核	确认	DIN	核准	审核	承办	日期	设计编号
							Zhang	2022-06-07	

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

1.焊接温度与时间对比

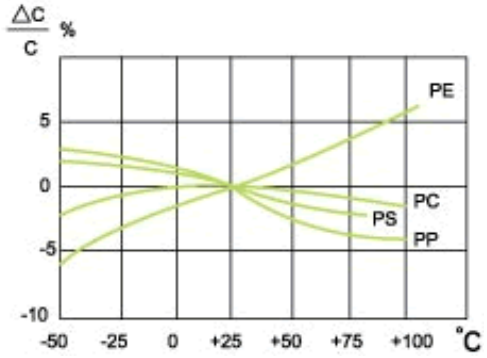
Soldering Temperature VS Time





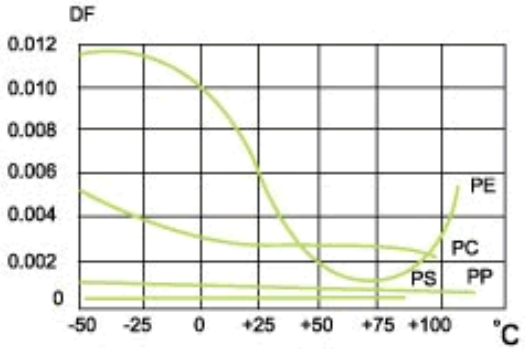
2.温度性能

Temperature Characteristic



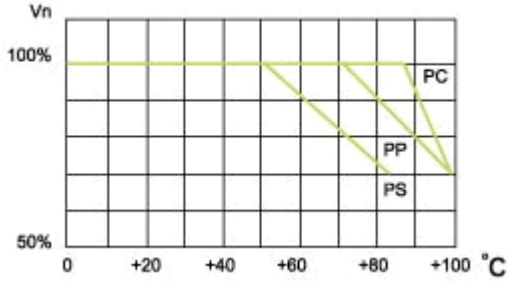
容量变化率与温度的关系

Capacitance vs. Temperature



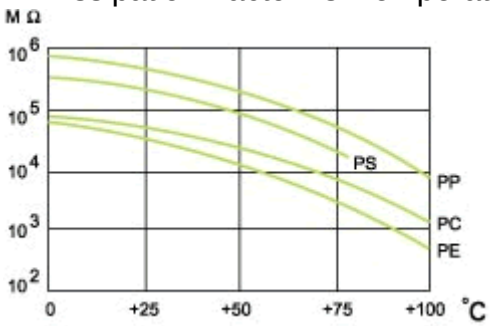
损耗角正切与温度的关系

Dissipation Factor vs. Temperature



使用电压与温度的关系

Operation voltage vs. Temperature

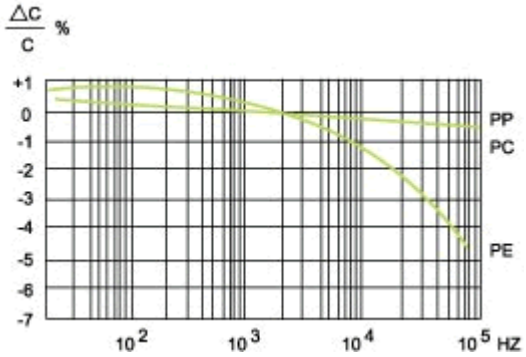


绝缘电阻与温度的关系

(CR value) IR vs. Temperature

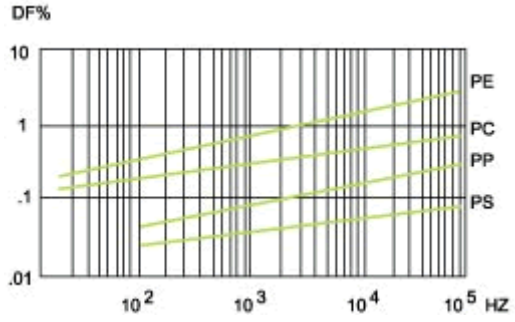
3.频率性能

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