

PB Low ESR, High ripple current 标准品

- Ultra-low ESR, High ripple current.
低阻抗, 高纹波。
- Load life of 2000 hours at 105°C.
105°C 负荷寿命 2000 小时。
- lead free flow soldering condition correspondence.
适用于无铅波峰焊。



Specifications 特性表

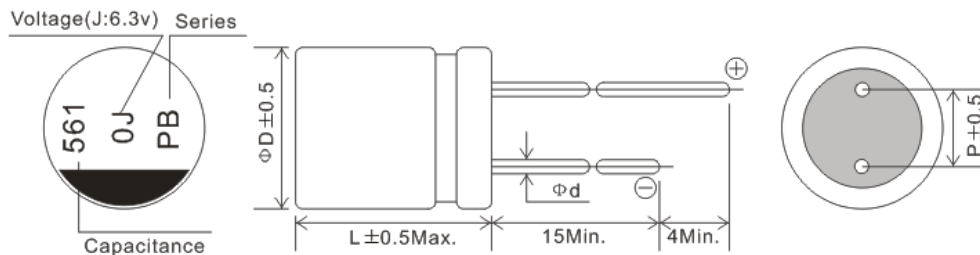
Items 项目	Condition 测试条件	Characteristics 主要特性	
Rated Voltage Range 额定工作电压范围(V)	---	2.5 ~ 16V _{dc}	
Category Temperature Range 使用温度范围(°C)	---	-55 ~ +105°C	
Capacitance Tolerance 静电容量允许偏差(%)	120Hz/20°C	±20% (M), at 20°C, 120Hz	
Dissipation Factor (Tanδ, DF) 损耗角正切值(%)	120Hz/20°C	Please see the attached characteristics list.	
Leakage Current (※1) 漏电流	Rated Voltage applied, after 2 minutes 施加额定电压 2 分钟后	Please see the attached characteristics list.	
Equivalent series resistance (ESR) 等效串联电阻 (※2)	100KHz to 300KHz/20°C	Please see the attached characteristics list.	
Temperature Characteristics (Max. Impedance Ratio) 高低温特性阻抗比	Based the value at 100KHz, +20°C 基于 20°C, 100KHz 值	-55°C Z/Z _{20°C} +105°C Z/Z _{105°C}	Less than 1.25 Less than 1.25
	Endurance 耐久性	105°C, 2000h, Rated Voltage applied 施加额定电压	ΔC/C(※3)
DF			150% or less than the initial specified value
ESR			150% or less than the initial specified value
LC			less than or equal to the initial specified value
Damp Heat (Steady State) 高温高湿	60°C, 90 to 95%RH, 1000h, No- applied Voltage 不施加电压	ΔC/C	Within ±20% of the initial capacitance value
		DF	150% or less than the initial specified value
		ESR	150% or less than the initial specified value
		LC	less than or equal to the initial specified value
Resistance to Soldering Heat 耐焊接热	Flow method 波峰焊 (260±5°C, 10S)	ΔC/C	Within ±10% of the initial capacitance value(※3)
		DF	130% or less than the initial specified value
		ESR	130% or less than the initial specified value
		LC	less than or equal to the initial specified value

※1 If any doubt arises, measure the leakage current after the voltage treatment of applying DC rated voltage continuously to the capacitor for 120 minutes at 105°C.
如果有任何疑问, 可以在 105°C 温度下对产品施加额定电压 120 分钟后测试。

※2 ESR should be measured at both of the terminal ends closest where the terminals protrude through the plastic platform. 在 ESR 测试时, 请使测试点尽可能地靠近引线弯曲处

※3 Initial value: The value before test of examination of resistance to soldering. 初始值: 实验投入或焊接前的值

Drawing(Unit: mm) 外形图



Size	6.3x8	6.3x11	8x8	8x11
ΦD	6.3	6.3	8.0	8
L	7.5	10.5	7.5	10.5
P	2.5	2.5	3.5	3.5
Φd	0.6	0.6	0.6	0.6

Rated ripple current multipliers(Unit: mm) 额定纹波修正系数

Frequency 频率 (Hz)	120Hz≤f<1KHz	1KHz≤f<10KHz	10KHz≤f<100KH	100KHz≤f<300K
Coefficient 系数	0.05	0.3	0.7	1.00

Note: All design and specifications are for reference only and is subject to change without prior notice. If any doubt about safety for your application, Please contact us immediately for technical assistance before purchase.

注: 以上所提供的设计及特性参数仅供参考, 任何修改不作预先通知, 如有使用上任何疑问, 请在采购前与我们联系, 以便提供技术上的协助。

PB Series

■ Standard ratings 标准品一览表

Rated voltage 额定电压 (V)(code)	Surge Voltage 浪涌电压 (V)	Rated Capacitance 额定容量 (μ F)	Case Size 产品尺寸 Φ D x L(mm)	DF 损失角正切值 (DF,max)	Leakage Current 漏电流 (mA,max)	ESR(m Ω) (at 100kHz 20 $^{\circ}$ C)	Rated Ripple 纹波电流 (mA,rms,at 105 $^{\circ}$ C)
2.5 (0E)	2.8	560	6.3x8	0.08	280	7	5900
		820	6.3x8	0.08	410	7	5900
		1000	6.3x8	0.08	500	7	5900
		1500	8X8	0.08	750	7	6100
4 (0G)	4.6	560	6.3x8	0.08	448	9	5900
		680	6.3x8	0.08	544	9	5900
		820	6.3x11	0.08	656	7	6150
		1200	6.3x11	0.08	960	7	6150
6.3 (0J)	7.2	470	6.3x8	0.08	592	9	5900
		680	6.3x8	0.08	857	9	5900
		820	6.3x11	0.08	1033	7	6150
10 (1A)	11.5	270	6.3x8	0.08	540	10	4100
		470	8X8	0.08	940	10	5600
		560	8X8	0.08	1120	9	5600
		680	8X11	0.08	1360	9	6100
16 (1C)	18.4	270	8X8	0.08	864	10	5000
		330	8X8	0.08	1056	10	5000
		470	8X11	0.08	1504	10	5400
		680	8X11	0.08	2176	10	5400

Note1: Case size Φ D x L(mm), ripple current (mA, rms) at 105 $^{\circ}$ C, 100KHz. 尺寸 Φ D x L(mm), 纹波电流於 105 $^{\circ}$ C, 100KHz
 Note2: Produce custom product too, which are not found in these tables. 客户定制品不在标准品一览表内