

**HIGH TEMP**  
**高温品**

- 125°C 1000-2000hours assured  
125°C 1000-2000H 寿命保证
- Ultra low ESR,solid capacitors of SMD type  
极低等效串联电阻(ESR), 贴片型固态电容器
- RoHS compliance符合RoHS 指令

New  
新品

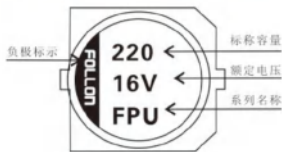


**Specifications 特性表**

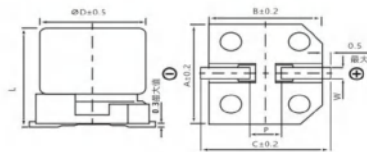
Items 项目	Characteristics 主要特性	
Operation Temperature Range 使用温度范围	-55°C~125°C	
Voltage Range 额定电压范围	2.5~16V	
Capacitance Range 额定容量范围	180~1500	
Capacitance Tolerance 额定容量容许误差值	±20% at 120Hz,20°C	
Dissipation Factor (Tanδ)损失角	Standard Ratings 标准品一览表	
ESR 等效串联电阻 (ESR)	Standard Ratings 标准品一览表	
Leakage Current 漏电流	Standard Ratings 标准品一览表	
Endurance 耐久性	After 2000Hrs. (1000Hrs for 2.5~4V) Application of the rated voltage at 125°C, returned to 20°C for testing, they meet the characteristics listed below. 在125°C 下连续施加额定电压2000小时(2.5~4V为1000小时)后, 返回20°C进行测试时, 满足以下项目	
	Capacitance Change 静电容量变化率	Within ±20% of initial value ≤初始值的±20%
	Tanδ损失角	Less than 200% of specified value ≤初始值的200%
	ESR 等效串联电阻	Less than 200% of specified value ≤初始值的200%
	Leakage Current漏电流	Within specified value ≤初始规格值
Moisture Resistance 耐湿无负荷	After 1000 hours in an environment of 60°C, 90~95% humidity, return to 20°C for testing. they meet the characteristics listed below. 在60°C, 湿度90~95%环境中1000H后, 返回20°C进行测试, 需满足以下项目	
	Capacitance Change 静电容量变化率	Within ±20% of initial value ≤初始值的±20%
	Tanδ损失角	Less than 150% of specified value ≤初始值的150%
	ESR 等效串联电阻	Less than 150% of specified value ≤初始值的150%
	Leakage Current漏电流	Within specified value ≤初始规格值
Resistance to Soldering Heat 焊锡耐热性	After reflow soldering and restored at room temperature, they meet the characteristics listed below. 经过回流焊并冷却至室温后, 电容器的特性符合下表的要求。	
	Capacitance Change 静电容量变化率	Within ±10% of initial value ≤初始值的±10%
	Tanδ损失角	Less than 130% of specified value ≤初始值的130%
	ESR 等效串联电阻	Less than 130% of specified value ≤初始值的130%
	Leakage Current漏电流	Within specified value ≤初始规格值
Marking 标识	Red print on the case top. 铝壳顶部红色印刷。	

FPU | Chip Type 贴片式

**DRAWING (Unit: mm) 外形图**



**Diagram of Dimensions 尺寸图**



**DIMENSIONS (Unit: mm) 尺寸表**

尺寸	8X12	10X10	10X12.6
ΦD	8.0	10.0	10.0
L	12±0.5	9.9+0.1/-0.4	12.6+0.1/-0.4
A	8.3	10.3	10.3
B	8.3	10.3	10.3
C	9.0	11.0	11.0
P±0.2	3.1	4.6	4.6
W	0.7~1.1	0.7~1.3	0.7~1.3

**Specifications 标准品一览表**

Rated Volt.(V)	Surge Voltage(V)	Capacitance(μF)	Size ΦDXL (mm)	Tanδ 120Hz, 20°C	LC(μA) 2minutes	ESR (mΩ) 20°C 100KHZ	Rated R.C (mA/rms at 100KHz,125°C)
2.5V(0E)	2.8	680	8X12	0.18	340	13	1,430
		1,000	10X10	0.18	500	13	1,645
		1,500	10X12.6	0.18	750	13	1,721
4V(0G)	4.6	560	8X12	0.18	448	13	1,430
		820	10X10	0.18	656	13	1,645
		1,200	10X12.6	0.18	960	12	1,721
6.3V(0J)	7.2	470	8X12	0.15	592	15	1,332
		560	10X10	0.15	706	16	1,487
		820	10X12.6	0.15	1,033	12	1,721
10V(1A)	12.0	330	8X12	0.15	660	17	1,250
		470	10X10	0.15	940	18	1,392
		560	10X12.6	0.15	1,120	13	1,655
16V(1V)	18.0	180	8X12	0.15	576	20	1,151
		220	10X10	0.15	704	20	1,330
		330	10X12.6	0.15	1,056	16	1,493

●Case size ΦD XL(mm),ripple current (mA rms) at 105°C,100KHz ●尺寸ΦD XL(mm), 纹波电流 (mA rms) 于105°C,100KHz

**Ripple Current and Frequency Multipliers 纹波电流与频率修正系数**

Frequency 频率	120HZ	1KHZ	10KHZ	100KHZ~
Multipliers 修正系数	0.05	0.30	0.70	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谨供参考，任何修改不作预先通知。如果在使用上有疑问，请在采购前与我们联系，以便提供技术上的协助