

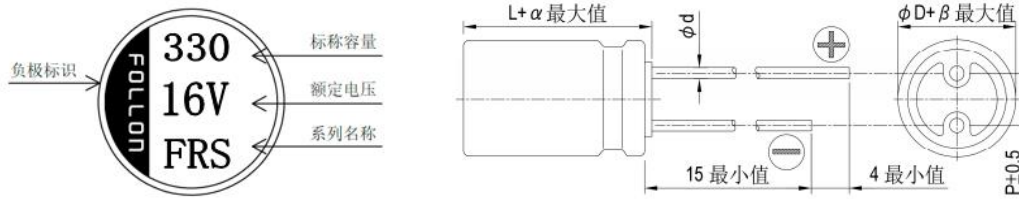
- 105°C 2000hours assured
105°C 2000H寿命保证
- Ultra low ESR with large permissible ripple current
极低等效串联电阻(ESR)并可承受大纹波电流
- RoHS compliance 符合RoHS指令



Specifications 特性表

Items 项目	Characteristics 主要特性								
Operation Temperature Range 使用温度范围	-55°C~105°C								
Voltage Range 额定电压范围	2.5~35V								
Capacitance Range 额定容量范围	47~3900								
Capacitance Tolerance 额定容量容许误差值	±20% at 120Hz, 20°C								
Dissipation Factor (Tan δ) 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	<p>After 2000Hrs. Application of the rated voltage at 105 °C ,returned to 20 °C for testing, they meet the characteristics listed below. 在105°C 下连续施加额定电压2000小时后, 返回20°C进行测试时, 满足以下项目</p> <table border="1"> <tr> <td>Capacitance Change 静电容量变化率</td> <td>Within ±20% of initial value ≤初始值的±20%</td> </tr> <tr> <td>Tan δ 损失角</td> <td>Less than 150% of specified value ≤初始值的150%</td> </tr> <tr> <td>ESR 等效串联电阻</td> <td>Less than 150% of specified value ≤初始值的150%</td> </tr> <tr> <td>Leakage Current漏电流</td> <td>Within specified value ≤初始规格值</td> </tr> </table>	Capacitance Change 静电容量变化率	Within ±20% of initial value ≤初始值的±20%	Tan δ 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
Capacitance Change 静电容量变化率	Within ±20% of initial value ≤初始值的±20%								
Tan δ 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								
Moisture Resistance 耐湿无负荷	<p>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</p> <table border="1"> <tr> <td>Capacitance Change 静电容量变化率</td> <td>Within ±20% of initial value ≤初始值的±20%</td> </tr> <tr> <td>Tan δ 损失角</td> <td>Less than 150% of specified value ≤初始值的150%</td> </tr> <tr> <td>ESR 等效串联电阻</td> <td>Less than 150% of specified value ≤初始值的150%</td> </tr> <tr> <td>Leakage Current漏电流</td> <td>Within specified value ≤初始规格值</td> </tr> </table>	Capacitance Change 静电容量变化率	Within ±20% of initial value ≤初始值的±20%	Tan δ 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
Capacitance Change 静电容量变化率	Within ±20% of initial value ≤初始值的±20%								
Tan δ 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								
Marking 标识	Red print on the case top. 铝壳顶部红色印刷。								

■ DRAWING (Unit: mm) 外形图



□ DIMENSIONS (Unit:mm)尺寸表

单位: mm

尺寸	5X8	6.3X6	6.3X8	8X8	8X12	10X12
φD	5	6.3	6.3	8	8	10
L	8	6	8	8	12	12
P	2.0	2.5	2.5	3.5	3.5	5.0
φd	0.5	0.45	0.6	0.6	0.6	0.6
α	1.0	1.0	1.0	1.0	1.0	1.0
β	0.5	0.5	0.5	0.5	0.5	0.5

Specifications 标准品一览表

Rated Volt. (V)	Surge Voltage(V)	Capacitance(μF)	Size ΦDXL (mm)	Tan δ 120Hz, 20°C	LC(μA) 2minutes	ESR (mΩ) 20°C 100KHZ	Rated R.C (mA/rms at 100KHz, 105°C)
2.5V (0E)	2.8	330	6.3X8	0.10	500	7	5,600
		390	6.3X6	0.10	500	10	3,900
		470	5X8	0.10	500	7	4,200
			8X8	0.10	235	7	5,000
		560	5X8	0.10	500	7	4,200
			6.3X6	0.10	500	10	4,000
			6.3X8	0.10	500	7	5,600
			8X8	0.12	280	7	6,200
		820	6.3X8	0.10	500	7	5,600
			8X8	0.10	410	7	6,200
			8X12	0.12	410	7	6,200
		1,000	8X8	0.12	500	7	6,200
			8X12	0.12	500	7	6,200
			10X12	0.12	500	7	6,200
		1,200	6.3X8	0.10	600	7	5,600
			8X8	0.12	600	7	6,200
		1,500	8X12	0.12	750	7	6,200
			10X12	0.12	750	7	6,500
1,800	8X8	0.12	900	7	6,200		
2,200	8X12	0.12	1,100	7	6,200		
2,700	10X12	0.12	1,350	7	7,200		
3,900	10X12	0.12	1,950	7	7,200		
4V (0G)	4.6	560	6.3X8	0.10	500	7	5,600
			8X8	0.10	448	7	6,200
			8X12	0.12	448	7	6,200
		820	8X8	0.10	656	7	6,200
		1,000	8X8	0.10	800	7	6,200
		1,200	8X8	0.10	960	7	6,200
			8X12	0.12	960	7	6,200
		10X12	0.12	1,200	7	6,500	
2,200	10X12	0.12	1,760	8	7,200		
2,700	10X12	0.12	2,160	8	7,200		
6.3V (0J)	7.2	270	5X8	0.10	680	8	3,900
		330	5X8	0.12	832	8	3,900
		470	6.3X8	0.12	592	7	5,600
			8X8	0.12	592	7	6,200
			8X12	0.12	592	7	6,200
		560	6.3X8	0.10	706	7	5,600
			8X8	0.10	706	7	6,200
			8X12	0.12	706	7	6,200
		680	6.3X8	0.10	857	7	5,600
		820	6.3X8	0.10	1,033	7	5,600
			8X8	0.10	1,033	7	6,200
			8X12	0.10	1,033	8	5,500
			10X12	0.12	1,033	7	6,200
		1,000	8X8	0.10	1,260	7	6,200
			8X12	0.12	1,260	8	5,500
		1,200	10X12	0.12	1,512	8	5,500
1,500	10X12	0.12	1,890	7	6,200		
1,800	10X12	0.12	2,268	7	6,200		
2,200	10X12	0.12	2,772	7	6,200		

●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

Specifications 标准品一览表

Rated Volt. (V)	Surge Voltage(V)	Capacitance(μF)	Size ΦDXL (mm)	Tan δ 120Hz, 20°C	LC(μA) 2minutes	ESR (mΩ) 20°C 100KHZ	Rated R.C (mA/rms at 100KHz, 105°C)
10V (1A)	12.0	270	8X12	0.12	540	8	5,000
		390	8X12	0.12	780	8	5,000
		470	10X12	0.12	940	8	6,000
		560	8X8	0.12	1,120	9	5,600
			10X12	0.12	1,120	8	6,000
		820	8X12	0.12	1,640	8	5,000
			10X12	0.12	1,640	8	6,000
1,200	10X12	0.12	2,400	8	6,000		
16V (1C)	18.0	100	6.3X6	0.10	320	24	2,490
			6.3X8	0.10	500	10	4,680
		180	6.3X8	0.10	576	10	4,680
			8X8	0.10	576	10	5,000
		270	6.3X8	0.10	864	10	4,680
			8X8	0.10	864	10	5,000
		330	8X12	0.12	864	8	5,000
			8X8	0.10	1,056	10	5,000
		470	10X12	0.12	1,056	8	6,000
			8X8	0.12	1,504	16	4,000
			8X12	0.12	1,504	10	5,400
		820	10X12	0.12	1,504	8	6,000
			10X12	0.10	2,624	10	6,100
		1,000	10X12	0.10	3,200	10	6,100
330	8X8		0.12	1,320	17	3,880	
20V (1D)	23.0	390	8X12	0.12	1,560	14	4,970
		680	10X12	0.12	2,720	12	5,400
25V (1E)	29.0	180	8X8	0.12	900	18	3,770
		220	8X12	0.12	1,100	16	4,650
		390	10X12	0.12	1,950	14	5,000
35V (1V)	40.0	47	8X12	0.12	329	24	3,600
		82	8X12	0.12	574	20	4,000
		120	10X12	0.12	840	18	4,000
		150	10X12	0.12	1,050	20	3,800

●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仅供参考，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。