HIGH CAP EXTRA LOWER IMPEDANCE New 新品

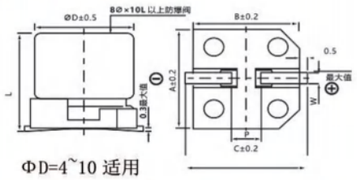
高容量极低阻抗品

- 105℃ 2000hours assured
  105℃ 2000H 寿命保证
- Miniaturization Ultea low ESR,
  小型化，极低等效串联电阻（ESR）
- RoHS compliance 符合 RoHS 指令

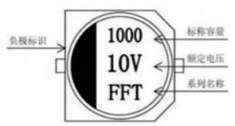
☐ SPECIFICATIONS 特性表

Items 项目	Characteristics 主要特性
Operation TemperatureRange 使用温度范围	-55℃~105℃
Voltage Range 额定电压范围	2.5~50V
Capacitance Range 额定容量范围	10~2200
Capacitance Tolerance 额定容量容许误差值	± 20%at 120Hz,20℃
Dissipation Factor (Tanδ) 损失角	Rated Voltage 额定电压（V）: 6.3 / 10 / 16 / 25 / 35 / 50 Tanδ (max) 损失角最大值: 0.26 / 0.19 / 0.16 / 0.14 / 0.12 / 0.10 When the capacitance exceeds 1,000μF,0.02 shall be added every 1,000μF increase. 当额定静电容量大于 1,000 微法拉时，每增加 1,000 微法拉需加 0.02.
LeakageCurrent 漏电流	Leakage current (Ø4~Ø10)≤0.01CV or 3 μA, whichever is greater (after 2 minutes application of rated voltage) Leakage current (Ø12.5~Ø16)≤0.03CV or 4 μA, whichever is greater (after 2minute application of rated voltage) 漏电流（Ø4~Ø10)≤0.01CV 或 3μA，取较大值（施加额定工作电压2分钟后） 漏电流（Ø12.5~Ø16)≤0.03CV 或 4μA，取较大值（施加额定工作电压2分钟后）
Stability at LowTemperature 低温特性 (at 120Hz)	Impedance ratio shall not exceed the values given in the table below 阻抗比不可大于下表所列数值 Rated Voltge: 6.3 / 10 / 16 / 25 / 35 / 50 Impedance ratio Z(-25℃)/Z(20℃): 4 / 3 / 2 / 2 / 2 / 2 Z(-55℃)/Z(20℃): 8 / 5 / 4 / 3 / 3 / 3
Endurance耐久性	After 2000Hrs. Application of the rated voltage at 105℃, returned to 20℃ for testing, they meet the characteristics listed below. 在105℃下连续施加额定电压2000小时后，返回20℃进行测试时，满足以下项目 Capacitance Change 静电容量变化率: Within ± 30%of initial value ≤ 初始值的± 30% Tanδ 损失角: Less than 300%of specified value ≤ 初始值的300% LeakageCurrent 漏电流: Within specified value ≤ 初始规格值
Shelf Life 高温储存特性	After leaving capacitors under no load at 105℃ for 1000Hrs,they meet the specified value for load life characteristics listed above. 在105℃环境中无负荷放置1000小时后，电容器的特性符合高温负荷特性中所列的规定值
Resistance to Soldering Heat 焊接耐热性	After reflow soldering and restored at room temperature, they meet the specified value for load life 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: Within specified value ≤ 初始规格值 LeakageCurrent 漏电流: Within specified value ≤ 初始规格值
Marking标识	Black print on the case top. 铝壳顶部黑色印刷。

☐ Diagramof Dimensions 尺寸图



☐ DRAWING (Unit: mm) 外形尺寸图



☐ PRODUCT DIMENSION SHEET (Unit: mm) 产品尺寸表

DXL	4X5.8	5X5.8	6.3X5.8	6.3X7.7	8X10.5	10X10.5
A	4.3	5.3	6.6	6.6	8.3	10.3
B	4.3	5.3	6.6	6.6	8.3	10.3
C	5.1	5.9	7.2	7.2	9.0	11.0
P± 0.2	1.0	1.5	2.0	2.0	3.1	4.7
L	5.8± 0.3	5.8± 0.3	5.8± 0.3	7.7± 0.3	10.5± 0.5	10.5± 0.5

Speifications 标准品一览表

WV / code 代码 / μF	6.3			10			16		
	0J			1A			1C		
47	470							4X5.8	0.85	160
68	680				4X5.8	0.85	160	5X5.8	0.36	240
100	101	4X5.8	0.85	160				5X5.8	0.36	240
150	151				5X5.8	0.36	240	6.3X5.8	0.26	300
220	221	5X5.8	0.36	240	6.3X5.8	0.26	300	6.3X5.8	0.26	300
330	331	6.3X5.8	0.26	300	6.3X7.7	0.16	600	6.3X7.7	0.16	600
470	471	6.3X7.7	0.16	600	6.3X7.7	0.16	600			
680	681	6.3X7.7	0.16	600				8X10.5	0.08	850
820	821							8X10.5	0.08	850
1000	102				8X10.5	0.08	850	10X10.5	0.06	1190
1200	122							10X10.5	0.06	1190
1500	152	8X10.5	0.08	850	10X10.5	0.06	1190			
2200	222	10X10.5	0.06	1190						

WV / code 代码 / μF	25			35			50		
	1E			1V			1H		
10	100							4X5.8 5X5.8	2.30 0.88	85 165
22	220	4X5.8	0.85	160	4X5.8	0.85	160	5X5.8	0.88	165
33	330	4X5.8	0.85	160	5X5.8	0.36	240			
47	470	5X5.8	0.36	240	5X5.8	0.36	240	6.3X5.8	0.68	195
68	680	5X5.8	0.36	240	6.3X5.8	0.26	300			
100	101	6.3X5.8	0.26	300	6.3X5.8	0.26	300	6.3X7.7	0.34	350
150	151	6.3X7.7	0.16	600	6.3X7.7	0.16	600			
220	221	6.3X7.7	0.16	600				8X10.5	0.18	670
330	331				8X10.5	0.08	850	10X10.5	0.12	900
390	391				8X10.5	0.08	850			
470	471	8X10.5	0.08	850				Case size ΦDXL(mm) 尺寸	Impedance (Ω) at 20℃, 100KHZ 阻抗值	Ripple current (mA/rms)at 10℃ 100KHz 纹波电流
560	561	8X10.5	0.08	850	10X10.5	0.06	1190			
680	681				10X10.5	0.06	1190			
820	821	10X10.5	0.06	1190						
1000	102	10X10.5	0.06	1190						

●**Case size** ΦD XL(mm), Impedance (Ω) at20℃,100KHZ, ripple current (mA rms) at 105℃,100KHz
●**尺寸**ΦD XL(mm)，阻抗值（Ω）于20℃,100KHZ纹波电流（mA rms）于105℃,100KHz

Ripple Current and Frequency Multipliers 纹波电流与频率补正系数

静电容量（μF） \ Frequeny 频率	120HZ	1KHZ	10KHZ	100KHZ~
10~470	0.65	0.85	0.95	1.00
560~2200	0.70	0.90	0.95	1.00

The endurance of capacitors is reduced with internal heating produced by ripple current at the rate of halving the lifetime with every 10℃ rise. When long life performance is required in actual use, the ripple current has to be reduced.
铝电解电容器由于在纹波电流叠加时自我发热，温度上升而老化，每升温10℃ 寿命减少一半，要想保持长寿命请在使用过程中降低纹波电流。

FFT | Chip Type 贴片式