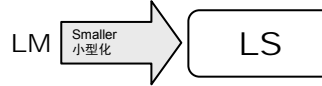


LOW LEAKAGE CURRENT, HEIGHT 5MM

5MM 高，低漏電品

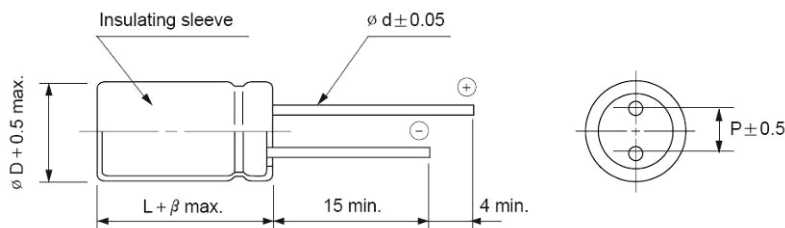
- Low leakage current series with 5mm height
5mm 高，低漏電品系列
- Designed for use in lightweight and portable equipment
適用於小型及便攜器材
- Load life of 1000 hours at 105°C
在 105°C 環境中負荷壽命 1000 小時
- Comply with the RoHS directive
符合 RoHS 指令



□ SPECIFICATIONS 特性表

Items 項目	Characteristics 主要特性																					
Operation Temperature Range 使用溫度範圍	-40 ~ +105°C																					
Voltage Range 額定工作電壓範圍	4 ~ 50V																					
Capacitance Range 靜電容量範圍	0.1 ~ 100μF																					
Capacitance Tolerance 靜電容量允許偏差	±20% at 120Hz, 20°C																					
Leakage Current 漏電流	Leakage current = 0.002CV or 0.4μA, whichever is greater (after 2 minutes application of rated voltage) 漏電流 = 0.002CV 或 0.4μA，取較大值（施加額定工作電壓 2 分鐘後）																					
Dissipation Factor (tan δ) 損耗角正切	Measurement frequency 測試頻率: 120Hz, Temperature 溫度: 20°C <table border="1"> <tr> <td>Rated Voltage (V) 額定工作電壓</td> <td>4</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> </tr> <tr> <td>tan δ (max.) 最大損耗角正切</td> <td>0.35</td> <td>0.24</td> <td>0.20</td> <td>0.16</td> <td>0.14</td> <td>0.12</td> <td>0.10</td> </tr> </table>	Rated Voltage (V) 額定工作電壓	4	6.3	10	16	25	35	50	tan δ (max.) 最大損耗角正切	0.35	0.24	0.20	0.16	0.14	0.12	0.10					
Rated Voltage (V) 額定工作電壓	4	6.3	10	16	25	35	50															
tan δ (max.) 最大損耗角正切	0.35	0.24	0.20	0.16	0.14	0.12	0.10															
Stability at Low Temperature 低溫特性	Measurement frequency 測試頻率: 120Hz <table border="1"> <tr> <td>Rated Voltage (V) 額定工作電壓</td> <td>4</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35, 50</td> </tr> <tr> <td>Impedance Ratio 阻抗比</td> <td>Z(-25°C) / Z(20°C)</td> <td>7</td> <td>4</td> <td>3</td> <td>2</td> <td>2</td> </tr> <tr> <td></td> <td>Z(-40°C) / Z(20°C)</td> <td>15</td> <td>10</td> <td>8</td> <td>6</td> <td>4</td> </tr> </table>	Rated Voltage (V) 額定工作電壓	4	6.3	10	16	25	35, 50	Impedance Ratio 阻抗比	Z(-25°C) / Z(20°C)	7	4	3	2	2		Z(-40°C) / Z(20°C)	15	10	8	6	4
Rated Voltage (V) 額定工作電壓	4	6.3	10	16	25	35, 50																
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	Z(-40°C) / Z(20°C)	15	10	8	6	4																
Load Life 高溫負荷特性	After 1000 hours application of the rated voltage at 105°C, they meet the characteristics listed below. 在 105°C 環境中施加額定工作電壓 1000 小時後，電容器的特性符合下表的要求。 <table border="1"> <tr> <td>Capacitance Change 靜電容量變化率</td> <td>Within ±20% of initial measured value 初始值的±20%以內</td> </tr> <tr> <td>Dissipation Factor 損耗角正切</td> <td>≦ 200% of initial specified value 不大於規範值的 200%</td> </tr> <tr> <td>Leakage Current 漏電流</td> <td>≦ initial specified value 不大於規範值</td> </tr> </table>	Capacitance Change 靜電容量變化率	Within ±20% of initial measured value 初始值的±20%以內	Dissipation Factor 損耗角正切	≦ 200% of initial specified value 不大於規範值的 200%	Leakage Current 漏電流	≦ initial specified value 不大於規範值															
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Dissipation Factor 損耗角正切	≦ 200% of initial specified value 不大於規範值的 200%																					
Leakage Current 漏電流	≦ initial specified value 不大於規範值																					
Shelf Life 高溫貯存特性	After leaving capacitors under no load at 105°C for 500 hours, they meet the specified value for load life characteristics listed above. 在 105°C 環境中無負荷放置 500 小時後，電容器的特性符合高溫負荷特性中所列的規定值。																					
Marking 標識	Printed with black colour on orange sleeve (PVC) or printed with white colour on green sleeve (PET). 桔紅色膠管黑字印刷 (PVC) 或綠色膠管白字印刷 (PET)。																					

□ DRAWING (Unit: mm) 外形圖



ØD	4	5	6.3
p	1.5	2.0	2.5
Ød	0.45		
β	1.0		

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：以上所提供的設計及特性參數僅供參考，任何修改不作預先通知。如果在使用上有疑問，請在採購前與我們聯繫，以便提供技術上的協助。

□ DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT 規格尺寸及最大允許紋波電流

μF	WV Code 代碼	4		6.3		10		16		25		35		50	
		0G		0J		1A		1C		1E		1V		1H	
0.1	0R1													4 x 5	1
0.22	R22													4 x 5	2
0.33	R33													4 x 5	2.8
0.47	R47													4 x 5	4
0.68	R68													4 x 5	8.3
1	010													4 x 5	9
2.2	2R2													4 x 5	13
3.3	3R3													4 x 5	17
4.7	4R7											4 x 5	18	5 x 5	20
6.8	6R8									4 x 5	21	5 x 5	24	6.3 x 5	28
10	100							4 x 5	23	5 x 5	27	5 x 5	29	6.3 x 5	33
22	220			4 x 5	28	5 x 5	30	5 x 5	37	6.3 x 5	42	6.3 x 5	46		
33	330	5 x 5	25	5 x 5	35	5 x 5	41	6.3 x 5	49	6.3 x 5	52				
47	470	5 x 5	33	5 x 5	45	6.3 x 5	52	6.3 x 5	58						
68	680	6.3 x 5	45	6.3 x 5	55										
100	101	6.3 x 5	56	6.3 x 5	70									Case size 尺寸	Ripple current 紋波電流

•Case size $\varnothing D \times L$ (mm), ripple current (mA rms) at 105°C 120Hz •尺寸 $\varnothing D \times L$ (mm), 紋波電流(mA rms)於 105°C 120Hz

- Please refer to page 16, 18 about the formed or taped product spec. 編帶與引線成型標準請參閱第 16, 18 頁。
- Please refer to page 17 for the minimum package quantity. 最小包裝數量請參閱第 17 頁。

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