

NON-POLARIZED, WIDE TEMPERATURE

無極性

Non-polarized with wide temperature range -55°C~+105°C

無極性和適用於 -55°C~+105°C 的溫度範圍

Load life of 2000 hours

負荷壽命2000小時

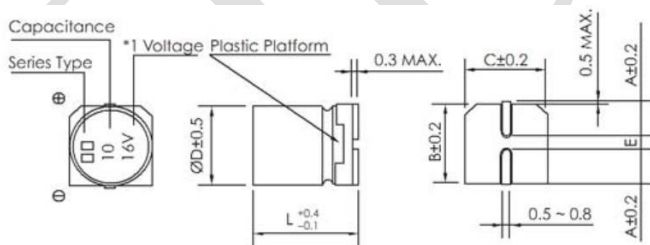
Comply with the RoHS directive

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	-55 ~ +105°C																
Voltage Range 額定工作電壓範圍	6.3 ~ 50V																
Capacitance Range 靜電容量範圍	0.1 ~ 47μF																
Capacitance Tolerance 靜電容量允許偏差	±20% at 120Hz, 20°C																
Leakage Current 漏電流	Leakage current ≤0.05CV or 10μA, whichever is greater (after 2 minutes application of rated voltage) 漏電流≤0.05CV 或 10μA, 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																
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Stability at Low Temperature 低溫特性	Measurement frequency 測試頻率: 120Hz																
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Load Life 高溫負荷特性	After 2000 hours application of the rated voltage at 105°C (the polarity needs to exchange every 250 hours), they meet the characteristics listed below. 在 105°C 環境中施加額定工作電壓2000小時 (每250小時必須轉換一次極性) 後, 電容器的特性符合下表的要求。																
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Shelf Life 高溫貯存特性	After leaving capacitors under no load at 105°C for 1000 hours, they meet the specified value for load life characteristics listed above. 在 105°C 環境中無負荷放置1000小時後, 電容器的特性符合高溫負荷特性中所列的規定值。																
Resistance to Soldering Heat 耐焊接熱特性	After reflow soldering and restored at room temperature, they meet the characteristics listed below. 經過回流焊並冷卻至室溫後, 電容器的特性符合下表的要求。																
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Marking 標識	Black print on the case top. 鋁殼頂部黑字印刷。																

DRAWING (Unit: mm) 外形圖



DIMENSIONS (Unit: mm) 尺寸表

ØD x L	4 x 5.4	5 x 5.4	6.3 x 5.4
A	2.0	2.2	2.6
B	4.3	5.3	6.6
C	4.3	5.3	6.6
E ± 0.2	1.0	1.4	1.9
L	5.4	5.4	5.4

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。

2018/V6

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

μF	WV Code 代碼	6.3		10		16		25		35		50	
		0J		1A		1C		1E		1V		1H	
0.1	0R1											4 × 5.4	1.0
0.22	R22											4 × 5.4	2.0
0.33	R33											4 × 5.4	2.8
0.47	R47											4 × 5.4	4.0
1	010											4 × 5.4	8.4
2.2	2R2									4 × 5.4	8.4	5 × 5.4	13
3.3	3R3							5 × 5.4	12	5 × 5.4	16	5 × 5.4	17
4.7	4R7					4 × 5.4	12	5 × 5.4	16	5 × 5.4	18	6.3 × 5.4	20
10	100			4 × 5.4	17	5 × 5.4	23	6.3 × 5.4	27	6.3 × 5.4	29		
22	220	5 × 5.4	28	6.3 × 5.4	33	6.3 × 5.4	37						
33	330	6.3 × 5.4	37	6.3 × 5.4	41	6.3 × 5.4	49					Case size 尺寸	Ripple current 紋波電流
47	470	6.3 × 5.4	45										

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

FREQUENCY COEFFICIENT OF ALLOWABLE RIPPLE CURRENT 紋波電流頻率補償系數

Frequency 頻率	50Hz	120Hz	300Hz	1KHz	10KHz~
Coefficient 系數	0.70	1.00	1.17	1.36	1.50

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