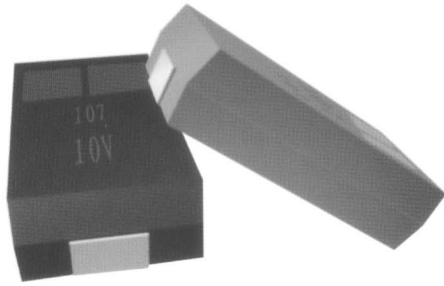


LR型片式固體電解質鉭電容器



產品簡介 Brief Introduction:

- 本系列產品是一種低ESR片式鉭電解電容器，適用於通訊、計算機、攝像機、移動通訊等各種表面貼裝電路，產品符合EIA-535BAAC標準。編帶符合EIA481-1標準。
- The LR Series is low ESR tantalum chip capacitor, suitable for SMD electric board used for temcommunication, computer, camcorder and mobile phone set and so on. Low ESR values conform with EIA535BAAC sizes. Taped and Reeled per EIA481-1.

主要性能 Features:

- 溫度範圍: $-55^{\circ}\text{C} \sim +125^{\circ}\text{C}$ ($>85^{\circ}\text{C}$, 施加降額電壓使用)
- 採用激光打標。
- 電容量允許偏差: $\pm 20\%$; $\pm 10\%$ (特殊訂購)
- 室溫漏電流: $I_0 \leq 0.01\text{CRUR}$ 或 $0.5 \mu\text{A}$ ($+25^{\circ}\text{C}$ 時; 取大者)
- 外形尺寸、額定電壓、標稱電容量: 見表 I、II 和圖 I
- Operating temperature Range: $-55^{\circ}\text{C} \sim +125^{\circ}\text{C}$ ($>85^{\circ}\text{C}$ with rated volt derating)
- Laser-marked Case
- Capacitance tolerance: $\pm 20\%$; $\pm 10\%$ (for special order);
- DC leakage at 25°C : $I_0 \leq 0.01\text{CRUR}$ or $0.5 \mu\text{A}$ (Whichever is greater).
- Dimensions, rated voltage and nominal capacitance:
- Please see Table 1 & 2 and Figure 1.

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LR型片式鉭電容器基本特性參數:

Electrolyte Characteristics of LR Tantalum Chip Capacitor

表 II table2

標稱電容量 Capacitance (μF)	尺寸型號 Case Size	漏電流 ($\mu\text{A}@+25^{\circ}\text{C}$ Max) DC leakage ($\mu\text{A}@+25^{\circ}\text{C}$ Max)	DF(%) @ $+25^{\circ}\text{C}$ @120Hz Max	ESR(Ω) @ $+25^{\circ}\text{C}$ @100KHZ Max
4V+85°C下使用(2.7V+125°C下使用) 4Volt Rating at+85°C (2.7Volt Rating+125°C)				
3.3	A	0.5	6.0	4.0
4.7	A	0.5	6.0	3.5
6.8	A	0.5	6.0	3.0
10.0	B	0.5	6.0	1.2
10.0	A	0.5	8.0	2.0
10.0	S	0.4	6.0	6.0
15.0	B	0.6	6.0	1.2
15.0	A	0.6	6.0	1.5
22.0	C	0.9	6.0	0.5
22.0	B	0.9	6.0	0.6
22.0	A	0.9	6.0	1.5
33.0	C	1.3	6.0	0.5
33.0	B	1.3	6.0	0.5
33.0	A	1.3	6.0	3.0
47.0	C	1.9	6.0	0.5
47.0	B	1.9	6.0	0.5
47.0	A	1.9	12.0	2.0
68.0	D	2.7	6.0	0.2
68.0	C	2.7	6.0	0.25
68.0	B	2.7	6.0	2.0
100.0	D	4.0	8.0	0.2
100.0	C	4.0	8.0	0.2
100.0	B	4.0	10.0	0.6
150.0	D	6.0	8.0	0.15
150.0	C	6.0	8.0	0.3
220.0	D	8.8	8.0	0.15
330.0	D	13.2	8.0	0.15
470.0	E	18.8	8.0	0.15
470.0	D	18.8	8.0	0.15

外形尺寸: DIMENSIONS(mm)

表 I table1

尺寸型號 Case Size	L	W	H	S	W1
S	2.0±0.2	1.3±0.2	1.2±0.2	0.5±0.3	1.2±0.1
A	3.2±0.2	1.6±0.2	1.6±0.2	0.8±0.3	1.2±0.1
B	3.5±0.2	2.8±0.2	1.9±0.2	0.8±0.3	2.2±0.1
C	6.0±0.3	3.2±0.3	2.5±0.3	1.3±0.3	2.2±0.1
D	7.3±0.3	4.3±0.3	2.8±0.3	1.3±0.3	2.4±0.1
E	7.3±0.3	4.3±0.3	4.0±0.3	1.3±0.3	2.4±0.1

外型圖 OUTLINE DRAWINGS:

Figure 1

