

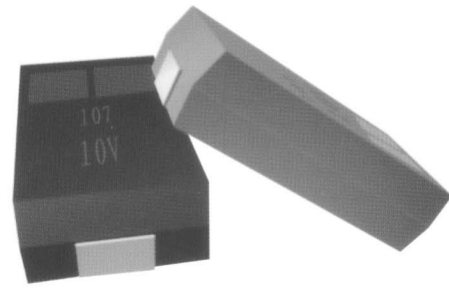
SR型片式固體電解質鉭電容器

產品簡介 Brief Introduction:

- 本產品是燒結陽極，樹脂模塑固體電解質片式鉭電容器，體積小、重量輕、可靠性高、性能優良。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。
- SR Series sinter-anode, molded solid tantalum chip capacitor, featuring small size, high capacitance, high reliability and excellent operation performances, is used for telecommunications, computers, camcorder, SMT electric circuits and so on. SR Series meets the requirements of EIA Standard 535BAAC.

主要性能 Features:

- 溫度範圍: $-55^{\circ}\text{C} \sim +125^{\circ}\text{C}$ ($>85^{\circ}\text{C}$ 時施加降額電壓使用)
- 電容量允許偏差: $\pm 20\%$; $\pm 10\%$ (特殊訂購)
- 空溫漏電流: $I_0 \leq 0.01 C_R U_R$ 或 $0.5 \mu\text{A}$ ($+25^{\circ}\text{C}$ 時; 取大者)
- 空溫損耗角正切: 見表 III
- 外形尺寸、額定電壓、標稱電容量: 見表 I、II 和圖 I
- 溫度特性: 見表 III
- ESR值: 見表 IV



- Operating temperature Range: $-55^{\circ}\text{C} \sim +125^{\circ}\text{C}$; ($>85^{\circ}\text{C}$ with rated voltage derating)
- Capacitance tolerance: $\pm 20\%$; $\pm 10\%$ (for special order);
- DC leakage at 20°C : $I_0 \leq 0.01 C_R U_R$ or $0.5 \mu\text{A}$ (Whichever is Greater).
- Dissipation factor at 20°C : Please See Table 3
- Dimensions, rated voltage and nominal capacitance: Please see Table 1 & 2 and Figure 1.
- Temperature characteristics: See Table 3
- ESR: See Table 4

外形尺寸 DIMENSIONS(mm)

表 I table 1

尺寸型號 Case Size	L	W	H	S	W1
S	2.0 ± 0.2	1.30 ± 0.2	1.20 ± 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

電容器溫度特性 TEMPERATURE CHARACTERISTICS

表 III table 3

標稱電容量 Capacitance (μF)	電容量變化 Cap. Change			損耗角正切值最大值 DF Max.				漏電流最大值 DCL Max.	
	-55°C	$+85^{\circ}\text{C}$	$+125^{\circ}\text{C}$	-55°C	$+20^{\circ}\text{C}$	$+85^{\circ}\text{C}$	$+125^{\circ}\text{C}$	$+85^{\circ}\text{C}$	$+125^{\circ}\text{C}$
≤ 1.0				6	4	6	6		
1.5 ~ 68	-10	+10	+12	10	6	10	10	$10I_0$	$12I_0$
100 ~ 470				12	8	12	12		

外型圖 OUTLINE DRAWING

Figure 1

