

RVN Series

BI-POLARIZED 双极性品

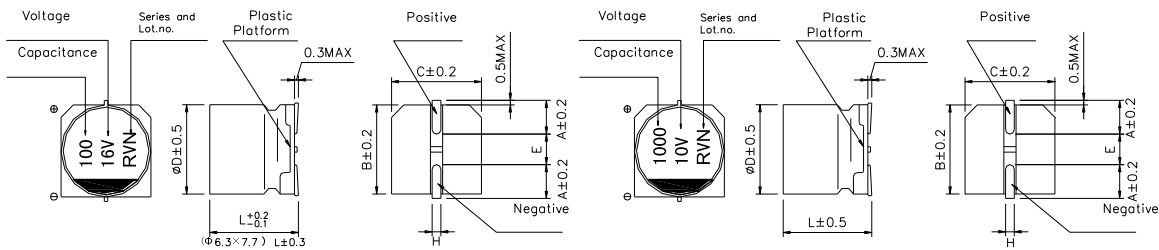
- Bi-polarized with general temperature +85℃
双极性和适用于+85℃的常规温度
- Load life of 1000 hours
负荷寿命1000小时
- Comply with the RoHS directive
符合 RoHS 指令



■ 主要技术性能 Specification

项目 Item	特性 Performance Characteristics				
使用温度范围 Operating temperature range	-55 ~ +85℃				
额定电压范围 Rated voltage range	6.3 ~ 50V				
标称电容量范围 Nominal capacitance range	0.1 ~ 220μF				
标称电容量允许偏差 Capacitance tolerance	± 20% (120Hz, +20℃)				
漏电流 Leakage current	I ≤ 0.01CV 或 3(μA) 2分钟 取较大者 (at 20℃, after 2 minutes) (whichever is greater)		I ≤ 0.02CV + 15 (μA) 1分钟 (1 minute)		
损耗角正切值 (tg δ) Dissipation factor (+20℃, 120Hz)	U _R (V)	6.3	10	16, 25	35, 50
	tg δ	0.24	0.20	0.17	0.15
温度特性 Temperature characteristics (Impedance ratio at 120Hz)	U _R (V)	6.3	10	16, 25	35, 50
	Z(-25℃) / Z(20℃)	4	3	2	2
	Z(-40℃) / Z(20℃)	8	6	4	3
耐久性 Load life	After 1000 hours application of the rated voltage at 85℃ (the polarity needs to exchange every 250 hours), they meet the characteristics listed below. 在85℃环境中施加额定工作电压1000小时（每250小时必须转换一次极性）后，电容器的特征符合下表的要求。 电容量变化率 Capacitance change : ±20%初始测量值以内 ±20% of the initial measured value 漏 电 流 Leakage current : ≤初始规定值 ≤the initial specified value 损耗角正切值 Dissipation factor : ≤2倍初始规定值 ≤2times of the initial specified value				
高温贮存 Shelf life	+105℃, 1000小时贮存后, 恢复16小时后: After storage for 1000 hours at +105℃ and then resumed for 16 hours: 电容量变化率 Capacitance change : ±10%初始测量值以内 10% of the initial measured value 漏 电 流 Leakage current : ≤2倍初始规定值 ≤2times of the initial specified value 损耗角正切值 Dissipation factor : ≤2倍初始规定值 ≤2times of the initial specified value				

■ 外形图及尺寸图 Case size table



- *1. Voltage mark for 6.3V is [6V] 6.3V 的产品標識為 [6V]
 *2. Applicable to Ø6.3×7.7 適用於 Ø6.3×7.7
 *3. Applicable to Ø8×10.5~Ø10 適用於 Ø8×10.5~Ø10

ØD x L	4 x 5.4	5 x 5.4	6.3 x 5.4	6.3 x 7.7
A	1.8	2.1	2.4	2.4
B	4.3	5.3	6.6	6.6
C	4.3	5.3	6.6	6.6
E ± 0.2	1.0	1.3	2.2	2.2
L	5.4	5.4	5.4	7.7

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■ 尺寸 Dimensions

μF	Code 代码	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	6.3 × 7.7	36
22	220	5 × 5.4	28	6.3 × 5.4	33	6.3 × 5.4	37	6.3 × 7.7	50	6.3 × 7.7	54		
33	330	6.3 × 5.4	37	6.3 × 5.4	41	6.3 × 5.4	49	6.3 × 7.7	61				
47	470	6.3 × 5.4	45	6.3 × 7.7	61	6.3 × 7.7	75					Case size 尺寸	Ripple current 纹波电流
100	101	6.3 × 7.7	82	6.3 × 7.7	85								

•Case size ∅D×L(mm), ripple current (mA rms) at 85°C 120Hz •尺寸∅D×L(mm), 纹波电流 (mA rms)於 85°C 120Hz

■ 纹波电流的相关参数 Multiplier For Ripple Current

Frequency 频率	-50Hz	120Hz	300Hz	1KHz	10KHz-
Coefficient 系数	0.70	1.00	1.17	1.36	1.50