

CR Series

◆ 尺寸与最大纹波电流一览表 Standard Ratings

Rated voltage (V)	Rated capacitance (μF)	Case size ΦD×L(mm)	Leakage current (μA)	Tan δ (120Hz)	ESR(mΩ) at 20°C, 100 kHz	Rated ripple current (mA _{rms} /105°C/100kHz)
2.5 (0E)	220	6.3×5.7	110	0.12	25	2500
	560	8×6.7	280	0.12	23	3100
	680	8×11.7	425	0.12	13	4500
	1000	10×7.7	500	0.12	19	4240
	1500	10×12.5	938	0.12	10	5500
4 (0G)	100	6.3×5.7	80	0.12	35	2200
	220	8×6.7	176	0.12	30	2700
	330	8×6.7	264	0.12	30	2700
	470	10×7.7	376	0.12	22	3800
	560	8×11.7	448	0.12	13	4500
	680	10×7.7	544	0.12	20	4130
	820	10×12.5	656	0.12	10	5500
	1200	10×12.5	960	0.12	12	5500
6.3 (0J)	68	6.3×5.7	85.6	0.12	30	2200
	82	6.3×5.7	103	0.12	35	2200
	100	6.3×5.7	126	0.12	27	2400
	150	8×6.7	189	0.12	30	2600
	220	8×6.7	277	0.12	30	2600
	330	10×7.7	416	0.12	22	3600
	390	8×11.7	491	0.12	12	4770
	470	8×11.7	592	0.15	15	4300
	560	8×11.7	706	0.15	14	4400
	680	10×12.5	643	0.15	13	5200
	820	10×12.5	775	0.15	12	5500
	1000	10×12.5	945	0.15	12	5500
10 (1A)	47	6.3×5.7	94	0.12	40	2100
	56	6.3×5.7	112	0.12	40	2100
	120	8×6.7	240	0.12	30	2600
	270	10×7.7	540	0.12	25	3500
	330	8×11.7	660	0.15	17	4000
	470	10×12.5	740	0.15	12	5300
	560	10×12.5	840	0.15	12	5300
16 (1C)	39	6.3×5.7	125	0.12	45	2000
	56	8×6.7	179	0.12	40	2300
	82	8×6.7	262	0.12	40	2300
	100	10×7.7	320	0.12	30	3200
	150	10×7.7	480	0.12	30	3200
	180	8×11.7	576	0.12	20	3700
	220	8×11.7	704	0.12	20	3700
	330	10×12.5	792	0.12	16	4800

◆ 纹波电流修正系数 Rated Ripple Current Coefficient

频率Frequency(Hz)	120Hz≤f<1kHz	1kHz≤f<10kHz	10kHz≤f<100kHz	100kHz≤f<500kHz
系数 Coefficient	0.05	0.30	0.70	1.00

CR Series NEW

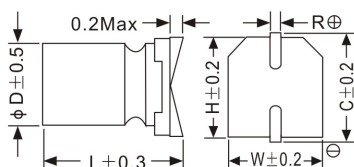
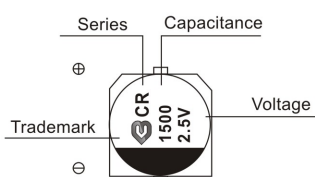


- Low impedance, high ripple current
- SMD type: lead free reflow soldering condition at 260°C peak correspondence
- RoHS Compliant

◆ **规格表 Specifications**

项目 Items	特性参数 Characteristics	
使用温度范围 Category Temperture Range	-55 ~ +105°C	
额定工作电压范围 Rated Voltage Range	2.5 ~ 16V	
静电容量允许偏差 Capacitance tolerance	±20%(M) (at 20°C,120Hz)	
漏电流 Leakage Current	施加额定工作电压2分钟后读数，小于或等于规格值 (at 20°C) Less than or equal to the specified value. After 2 minutes application of rated Voltage at 20°C	
损耗角正切值tan δ Dissipation Factor	小于或等于规格值 (at 20°C,120Hz) Less than or equal to the specified	
温度特性 Low Temperture Characteristics (Max.Impedance Ratio)	Z(-25°C)/Z(+20°C)	≤1.25
	Z(-55°C)/Z(+20°C)	≤1.25
耐久性 Endurence	105°C 施加额定工作电压2000小时，恢复到20°C后，产品性能应满足以下要求 The specifications listed below shall be satisfied when the capacitors are restored to 20°C after application of rated voltage for 2000 hours at 105°C.	
	Appearance	No significant damage
	Capacitance change	≅ ±20% of the initial value
	D.F.(tan δ)	≅ 150% of the specified value
	ESR	≅ 150% of the specified value
	Leakage current	≅ The specified value
耐湿负荷特性 Damp Heat (Steady State)	在60°C 温度，湿度90%~95%RH的环境中，施加额定电压1000小时后，恢复到20°C后，产品性能应满足以下要求 The specifications listed below shall be satisfied when the capacitors are restored to 20°C after application of rated voltage for 1000 hours at 60°C,90% ~ 95% RH.	
	Appearance	No significant damage
	Capacitance change	≅ ±20% of the initial value
	D.F.(tan δ)	≅ 150% of the specified value
	ESR	≅ 150% of the specified value
	Leakage current	≅ The specified value
浪涌电压特性 (Surge Voltage)	浪涌电压=额定电压 × 1.15(V) Surge Voltage=Rated voltage × 1.15(V) 在105°C环境中，按充电30秒；放电5分30秒，连续施加浪涌电压1000次(Rc=1kΩ)，待恢复后测试，应满足以下要求 The capacitors shall be subjected to 1000 cycles each consisting of charge with the surge voltages specified at 105°C for 30 seconds through a protective resistor (Rc=1kΩ) and discharge for 5 minutes 30 seconds	
	Appearance	No significant damage
	Capacitance change	≅ ±20% of the initial value
	D.F.(tan δ)	≅ 150% of the specified value
	ESR	≅ 150% of the specified value
	Leakage current	≅ The specified value
焊接耐热性 Resistance to soldering heat	按回流焊试验后，应满足于以下要求 Measurement for solder temperature profile shall be made at the capacitor top and the terminal.	
	Capacitance change	≅ ±10% of the initial value
	D.F.(tan δ)	≅ 130% of the specified value
	ESR	≅ 130% of the specified value
	Leakage current	≅ The specified value

◆ **外形图 Dimensions (mm)**



ΦD	6.3	8	8	10	10
L	5.7	6.7	11.7	7.7	12.4
W	6.5	8.3	8.3	10.3	10.3
H	6.5	8.3	8.3	11.0	11.0
C	7.2	9.0	9.0	11.0	11.0
R	0.5~0.9	0.8~1.1	0.8~1.1	0.7~1.1	0.7~1.1
P	2.1	3.2	3.2	4.5	4.5