

RRC Series



◆ Features

105°C, 5000~10000hours,

Low impedance.

Used in electronic equipment whose long life would be required .

◆ Specifications

Items	Characteristics									
Operating temperature range	-40°C~+105°C									
Rated voltage range	6.3V~100V DC									
Nominal capacitance tolerance	4.7μF~39000μF									
Capacitance tolerance	±20% (120Hz 20°C)									
leakage current(20°C)	≤0.01CV or 3μA(whichever is greater) after 2 minute									
	I: Leakage current C: Normal capacitance V: Rated voltage									
Dissipation factor (120Hz 20°C)	Rated voltage(V)	6.3	10	16	25	35	50	63	100	
	tgδ(MAX)	0.22	0.19	0.16	0.14	0.12	0.10	0.09	0.08	
	When capacitance is more than 1000μF, tgδ will add 0.02 per 1000μF addition.									
Low temperature characteristics (Impedance ratio max. at 120Hz)	Rated voltage(v)	6.3	10	16	25	35	50	63	100	
	Z-25°C/Z+20°C	4	3	2	2	2	2	2	2	
	Z-55°C/Z+20°C	8	6	4	3	3	3	3	3	
Load Life	After applying rated for 2000~8000 hours at 105°C then resumed 16 hours:									
	ΦD	5~6.3			8-10			≥12.5		
	6.3-10V	4000h			6000h			8000h		
	16-100V	5000h			7000h			10000h		
	Capacitance change	Within ±20% of the initial measured value								
	tgδ	≤200% of the initial specified value								
	Leakage current	≤initial specified value								
Shelf Life	After storage for 1000 hours at 105°C then resumed 16 hours:									
	Capacitance change	Within ±20% of the initial measured value								
	tgδ	≤200% of the initial specified value								
	Leakage current	≤initial specified value								

◆ Diagram of Dimensions(mm)

	φD	5	6.3	8	10	13	16	18
	F±0.5	2.0	2.5	3.5	5	5.0	7.5	7.5
	φd±0.05	0.5	0.5	0.5	0.6	0.6	0.8	0.8
	α	1.0	1.0	1.0	1.5	1.5	2.0	2.0