

RRL Series



◆ Features

105°C, standard size.

Used in electronic ballast, switching power supply, industrial measuring instruments, automotive applications, etc.

◆ Specifications

Items	Characteristics											
Operating temperature range	-40~+105°C						-25~+105°C					
Rated voltage range	6.3V~100V DC						160V~450V DC					
Nominal capacitance tolerance	0.1μF~22000μF											
Capacitance tolerance	±20% (120Hz 20°C)											
leakage current(20°C)	WV≤100V I≤0.01CV or 3 μA after 2 minute (whichever is greater)											
	WV >160V I≤0.03CV+10μA after 3 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	160~250	400~450	
	tgδ(MAX)	0.26	0.22	0.18	0.16	0.14	0.12	0.10	0.08	0.20	0.24	
	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	160~250	400	450
	Z—25°C/Z+20°C	5	4	3	2	2	2	2	2	4	6	15
	Z—40°C/Z+20°C	10	8	6	4	3	3	3	3			
Endurance	After applying rated for 2000 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										
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	22
	F±0.5	2.0	2.5	3.5	5.0	5.0	7.5	7.5	10
	φd±0.05	0.5			0.6		0.8		
	α	(L<20) 1.5			(L≥20) 2.0				