

RLL series



◆ Features

Load life 5000-6000 hours at 130°C.

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

◆ Specifications

Item	Characteristics							
Operating temperature range	-40°C~+130°C				-25°C~+130°C			
Rated voltage range	160-400V				450V			
Nominal capacitance range	1.5μF~100μF							
Capacitance tolerance	±20% (120Hz·20°C)							
Leakage current (20°C)	I ≤ 0.02CV + 25μA (whichever is greater) after 2 minute							
	I: Leakage current C: Nominal capacitance V: Rated voltage							
Dissipation factor (120Hz·20°C)	Rated voltage(V)	160	200	250	350	400	450	
	tgδ(MAX)	0.15	0.15	0.15	0.2	0.2	0.2	
Low temperature characteristics (impedance ratio max. at 120Hz)	Rated voltage(V)	160	200	250	350	400	450	
	Z—25°C/Z+20°C	3	3	3	5	5	6	
Load Life	After applying rated voltage for 5000h < φ 12.5 > 6000h at 130°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 ±30% of the initial measured value						
	tgδ	≤ 300% 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	0.5	0.5	0.6	0.6	0.8	0.8	0.8
	α	1.0		1.5		2.0			