

RGK Ultra-low temperature and 55 °C.



◆ Features

Load life of 2000~5000 hours at 105°C.

Enabled high ripple current by a reduction of impedance at high frequency range.

Lowest impedance for personal computer and storage equipment.

◆ Specifications

Item	Characteristics					
Operating temperature range	-55°C~+105°C					
Rated voltage range	160-450VDC					
Nominal capacitance range	4.7-6800uF					
Capacitance tolerance	±20% (120Hz·20°C)					
(20°C) leakage current(20°C)	I≤0.01 CV or 3uA(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	400	450
	tgδ (MAX)	0.15	0.15	0.15	0.2	0.2
Surge Voltage	WV	160	200	250	400	450
	Z-25°C / Z+20°C	3	3	3	3	4
Low temperature characteristics (Impedance ratio max. at 120Hz)	Z-55°C	6	6	6	6	7
	/ Z+20°C					
Load Life	After applying rated voltage for 10000 -12000hours 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	8	10	13	16	18
	F±0.5	3.5	5.0	5.0	7.5	7.5
	φd±0.05	0.5	0.6	0.6	0.8	0.8
	α	1.0	1.5	1.5	2.0	2.0