

RGE series

◆ Features

Load life 3000~6000hours at105°C.

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	10μF~39000μF									
Capacitance tolerance	±20% (120Hz·20°C)									
leakage current(20°C)	I≤0.01CV or 3μA(whichever is greater) after 2 minute I: Leakage current C: Nominal capacitance V : Rated voltage									
	Rated voltage(V)	6	10	16	25	35	50	63	100	
Dissipation factor (120Hz·20°C)	tgδ(MAX)	0.22	0.19	0.16	0.14	0.12	0.10	0.09	0.08	
	When capacitance is more than1000μF, 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		
	Load life	3000h		4000h		5000h		6000h		
	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