

RGR Series



◆ Features

Load life 2000 hours at 85°C, standard size.

Used in color TV, display, VCD sets, audio sets, etc.

◆ Specifications

Item	Characteristics											
Operating temperature range	-40~+85°C						-25~+85°C					
Rated voltage range	6.3V~100V DC						160V~500V DC					
Nominal capacitance tolerance	0.1μF~33000μF											
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: Nominal capacitance V: Rated voltage											
Dissipation factor (120Hz·20°C)	Rated voltage(V)	6.3	10	16	25	35	50	63	100	160~250	350~450	
	tgδ	0.24	0.20	0.17	0.15	0.12	0.10	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	160~250	450
		6.3	10	16	25	35	50~100	160~250	160~250	350~400		
	Z-25°C/Z+20°C	5	4	3	2	2	2	3	3	6	15	
	Z-40°C/Z+20°C	12	10	8	5	4	3	4	4			
Load Life	After applying rated for 2000 hours at 85°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 85°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					