

GR Series

此商品编码的规格参数：680UF/50V 绿高频，体积：13*20mm

+105°C, High Ripple Current(高纹波), Low Impedance(低阻抗抗品)

FEATURES

1. Low impedance for high frequency.
2. Life time: 2000~4000 hours at 105°C.



SPECIFICATIONS

Item	Performance Characteristics
Operating Temperature Range	-40 to +105°C
Rated Working Voltage Range	6.3 to 100V
Nominal Capacitance Range	2.2 to 4700µF
Capacitance Tolerance	±20% (120Hz, +20°C)
Leakage Current	I ≤ 0.01CV or 3(µA) whichever is greater measured after 2 minutes application of rated working voltage at 20°C
tan δ (120Hz, +20°C)	Working Voltage (V) 6.3 10 16 25 35 50 63 100 tan δ (max.) 0.22 0.19 0.16 0.14 0.12 0.10 0.09 0.08
	For capacitance value > 1000µF, add 0.02 per another 1000µF
Low Temperature Characteristics	Impedance ratio max. at 120Hz Working 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-40°C / Z+20°C 8 6 4 3 3 3 3 3

High Temperature Loading

Test conditions

Duration :	φD	5 ~ 6.3	8 ~ 10	12.5
Load life	2000h	3000h	4000h	

Ambient temp. : +105°C

Applied voltage : Rated DC working voltage with rated ripple current

Post test requirements at +20°C

Leakage current : ≤ Initial specified value

Cap. change : within ±25% of initial measured value

tan δ : ≤ 150% of initial specified value

Shelf Life

Test conditions

Duration : 1000 hours

Ambient temp. : +105°C

Applied voltage : (None)

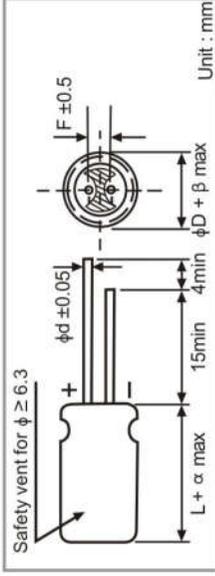
Post test requirements at +20°C

Same limits for high temperature loading.

Others

JIS C - 5101 (IEC 60384)

CASE SIZE TABLE



φD	5	6.3	8(L<20)	8(L≥20)	10	12.5
F	2.0	2.5	3.5	5.0	5.0	5.0
φd		0.5		0.6	0.6	
α			(L < 20) 1.5		(L ≥ 20) 2.0	
β			(D < 20) 0.5		(D ≥ 20) 1.0	