

## GR Series

### +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)	<table border="1"> <tr> <td>Working Voltage (V)</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> <td>63</td> <td>100</td> </tr> <tr> <td>tan δ (max.)</td> <td>0.22</td> <td>0.19</td> <td>0.16</td> <td>0.14</td> <td>0.12</td> <td>0.10</td> <td>0.09</td> <td>0.08</td> </tr> </table> <p>For capacitance value &gt; 1000µF, add 0.02 per another 1000µF</p>	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									
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Low Temperature Characteristics	Impedance ratio max. at 120Hz																											
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#### 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)

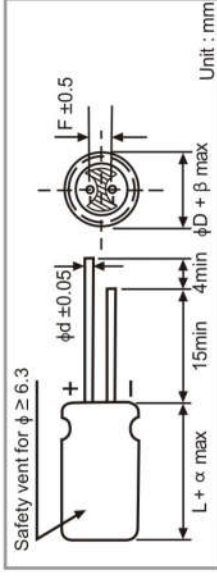
Post test requirements at +20°C

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	

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