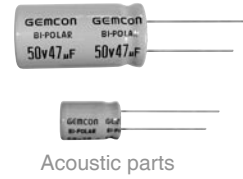


GRE Bi-polar Radial Leads, For Speaker use

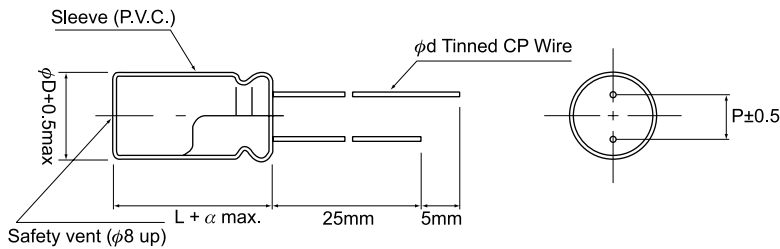
- Designed specifically for speaker crossover networks application.
- Dissipation factor lower than GRS series.
- Test frequency at 1 KHz for D.F. & Capacitance.
- Life guaranteed 1,000 hours/85°C.



• Specifications

Item	Performance Characteristics									
Operating Temperature range	-40 + 85°C									
Rated Voltage	50V 100V									
Capacitance Range	0.47 ~ 100 μF									
Capacitance Tolerance	± 20%, ± 10% (1KHz, 20°C)									
Leakage Current	$I \leq 0.03CV + 4 \mu A$, after 5 minutes application of rated voltage.									
Dissipation Factor (1KHz, 20°C)	<table border="1"> <thead> <tr> <th>Characteristics / Code</th> <th>D</th> <th>P</th> <th>S</th> <th rowspan="2">Measured at 1KHz</th> </tr> </thead> <tbody> <tr> <td>Tan δ (max.)</td> <td>0.08</td> <td>0.06</td> <td>0.05</td> </tr> </tbody> </table>	Characteristics / Code	D	P	S	Measured at 1KHz	Tan δ (max.)	0.08	0.06	0.05
	Characteristics / Code	D	P	S	Measured at 1KHz					
Tan δ (max.)	0.08	0.06	0.05							
Load Life	After 1,000 hours application of WV at 85°C, reversing polarity at every 250 hours, capacitor shall meet the characteristics requirements mentioned below.									
	Capacitance change	Within ± 20% of initial value								
	Tan δ	200% or less of initial specified value								
	Leakage current	Initial specified value or less								
Shelf Life	At 85°C, no voltage applied for 1,000 hours, the capacitor shall meet the limits as in load life.									

• Dimension (mm)



Dφ	6.3	8	10	13	16	18	20	22
P	2.5	3.5	5.0	5.0	7.5	7.5	10.0	10.0
φd	0.5	0.6	0.6	0.6	0.8	0.8	1.0	1.0
α	L < 20 : 1.5 mm, L ≥ 20 : 2.0 mm							

• Standard Products Table

Dφ x L (mm)

Cap (μF)	WV	50V			100V		
		D (8%)	P (6%)	S (5%)	D (8%)	P (6%)	S (5%)
0.47		6.3 x 11	8 x 11	10 x 16	8 x 11	8 x 11	10 x 20
0.68		6.3 x 11	8 x 11	10 x 16	8 x 11	8 x 11	10 x 20
1		6.3 x 11	8 x 11	10 x 20	8 x 11	10 x 16	13 x 25
1.2		6.3 x 11	8 x 11	10 x 20	8 x 11	10 x 16	13 x 25
1.5		6.3 x 11	8 x 11	13 x 20	8 x 11	10 x 16	13 x 25
1.8		6.3 x 11	8 x 11	13 x 20	8 x 11	10 x 20	13 x 25
2.2		8 x 11	10 x 12	13 x 20	10 x 12	10 x 20	13 x 25
2.7		8 x 11	10 x 12	13 x 20	10 x 12	10 x 20	13 x 25
3.3		8 x 11	10 x 16	16 x 25	10 x 12	13 x 20	16 x 25
3.9		8 x 11	10 x 16	16 x 25	10 x 12	13 x 20	16 x 25
4.7		10 x 12	10 x 20	16 x 25	10 x 16	13 x 25	16 x 25
5.6		10 x 12	10 x 20	16 x 25	10 x 16	13 x 25	16 x 25
6.8		10 x 16	13 x 20	16 x 32	10 x 16	13 x 25	16 x 36
7.5		10 x 16	13 x 20	16 x 32	10 x 16	13 x 25	16 x 36
8.2		10 x 16	13 x 20	16 x 32	10 x 16	13 x 25	16 x 36
10		10 x 16	13 x 25	18 x 36	10 x 20	16 x 25	18 x 36
12		10 x 16	13 x 25	18 x 36	10 x 20	16 x 25	
15		10 x 16	13 x 25	22 x 40	10 x 20	16 x 25	
18		10 x 16	13 x 25	22 x 40	10 x 20	16 x 25	
22		13 x 25	16 x 25	22 x 40	13 x 25	16 x 36	
27		13 x 25	16 x 25	22 x 40	13 x 25	16 x 36	
33		13 x 25	16 x 32	25 x 40	13 x 25	18 x 36	
39		13 x 25	16 x 32	25 x 40	13 x 25	18 x 36	
47		16 x 31	18 x 36	25 x 40	16 x 36	22 x 36	
56		16 x 31	18 x 36	25 x 40	16 x 36	22 x 36	
68		18 x 36	18 x 40	25 x 40	18 x 36	22 x 36	
75		18 x 36	18 x 40	25 x 40	18 x 36		
82		18 x 36	18 x 40	25 x 40	18 x 36		
100		18 x 40	18 x 40	25 x 40	18 x 40		

- Specific capacitance value or size may acceptable per request.
- Indicating the right P/N :
Example : GRE3R3M050-1016B□ (The last digit stands for characteristic/DF code)