

GRS Bi-polar Radial Leads, For Speaker use

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

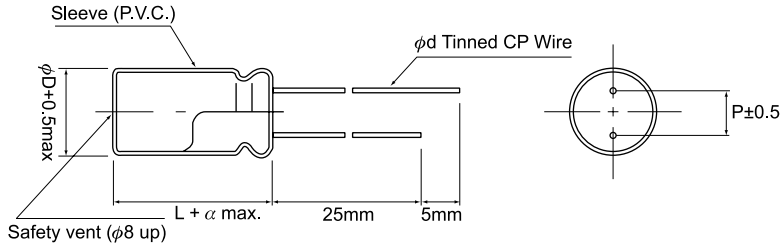


Acoustic parts

• Specifications

Item	Performance Characteristics		
Operating Temperature range	-40 + 85°C		
Rated Voltage	50V 100V		
Capacitance Range	1 ~ 1,000 µF		
Capacitance Tolerance	± 20%, ± 10% (1KHz, 20°C)		
Leakage Current	I ≤ 0.03CV + 4 µA, after 5 minutes application of rated voltage.		
Dissipation Factor (1KHz, 20°C)	Characteristics / Code	A	B
	Tan δ (max.)	0.12	0.10
Measured at 1KHz			
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	25
P	2.5	3.5	5.0	5.0	7.5	7.5	10.0	10.0	12.5
φd	0.5	0.6	0.6	0.6	0.8	0.8	1.0	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	
		A (DF: 12%)	B (DF: 10%)	A (DF: 12%)	B (DF: 10%)
1		6.3 x 11	6.3 x 11	8 x 11	8 x 11
1.5		6.3 x 11	8 x 11	8 x 11	8 x 11
2.2		6.3 x 11	8 x 11	8 x 11	8 x 11
2.7		6.3 x 11	8 x 11	8 x 11	8 x 11
3.3		6.3 x 11	8 x 11	8 x 11	8 x 11
3.9		6.3 x 11	8 x 11	8 x 11	8 x 11
4.7		8 x 11	8 x 11	8 x 11	8 x 11
5.6		8 x 15	8 x 11	8 x 11	8 x 11
6.8		8 x 15	8 x 11	8 x 11	10 x 12
7.5		8 x 15	8 x 11	10 x 12	10 x 12
8.2		8 x 15	8 x 11	10 x 12	10 x 16
10		8 x 15	10 x 16	10 x 16	10 x 16
12		8 x 15	10 x 16	10 x 16	10 x 20
15		8 x 15	10 x 16	10 x 20	10 x 20
18		10 x 16	10 x 20	10 x 20	10 x 20
22		10 x 16	10 x 20	10 x 20	10 x 20
27		10 x 16	10 x 20	10 x 20	13 x 26
33		10 x 16	10 x 20	13 x 20	13 x 26
39		10 x 16	10 x 20	13 x 20	13 x 26
47		10 x 20	10 x 20	13 x 26	13 x 26
56		10 x 20	13 x 20	13 x 26	13 x 26
68		10 x 20	13 x 20	13 x 26	13 x 26
75		13 x 20	13 x 20	13 x 26	13 x 26
82		13 x 20	13 x 26	13 x 26	13 x 26
100		13 x 20	13 x 26	16 x 25	16 x 25
120		13 x 26	13 x 26	16 x 25	16 x 25
150		13 x 26	16 x 25	16 x 36	16 x 36
180		16 x 25	16 x 25	16 x 36	16 x 36
220		16 x 25	16 x 25	18 x 36	18 x 36
250		16 x 25	16 x 25	18 x 36	18 x 36
270		16 x 25	16 x 25	18 x 36	18 x 36
330		16 x 25	16 x 36	20 x 36	20 x 36
390		16 x 36	16 x 36	22 x 36	22 x 36
470		16 x 36	18 x 36	25 x 45	25 x 45
560		16 x 36	22 x 36	25 x 45	25 x 45
680		22 x 36	25 x 36	25 x 50	25 x 50
750		22 x 36	25 x 36	25 x 50	25 x 50
820		25 x 36	25 x 36	25 x 50	25 x 50
1000		25 x 45	25 x 45	25 x 55	25 x 55

- Specific capacitance value or size may acceptable per request.
- Indicating the right P/N :
Example : GRS180M050-1625B□ (The last digit stands for characteristic/DF code)