

# GAS Bi-polar Axial Leads, For Speaker use

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

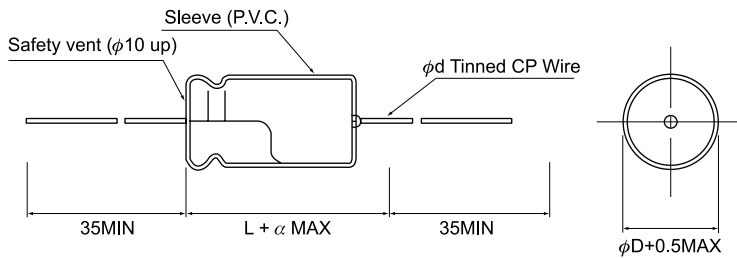


Acoustic parts

• 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	$I \leq 0.03CV + 4 \mu A$ , after 5 minutes application of rated voltage.							
Dissipation Factor (1KHz, 20°C)	<table border="1"> <thead> <tr> <th>Characteristics / Code</th> <th>A</th> <th>B</th> <th rowspan="2">Measured at 1KHz</th> </tr> </thead> <tbody> <tr> <td>Tan <math>\delta</math> (max.)</td> <td>0.12</td> <td>0.10</td> </tr> </tbody> </table>	Characteristics / Code	A	B	Measured at 1KHz	Tan $\delta$ (max.)	0.12	0.10
	Characteristics / Code	A	B	Measured at 1KHz				
Tan $\delta$ (max.)	0.12	0.10						
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 $\delta$	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	8	10	13	16	18	22	25
φd	0.6	0.6	0.6	0.6	0.8	0.8	0.8	0.8
α	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0

## • 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 x 16	8 x 16	8 x 16	8 x 16
1.5		6 x 16	8 x 16	8 x 16	8 x 16
2.2		6 x 16	8 x 16	8 x 16	8 x 16
2.7		6 x 16	8 x 16	8 x 16	8 x 16
3.3		6 x 16	8 x 16	8 x 16	10 x 17
3.9		6 x 16	8 x 16	8 x 16	10 x 17
4.7		8 x 16	8 x 16	8 x 16	10 x 17
5.6		8 x 16	8 x 16	10 x 17	10 x 17
6.8		8 x 16	10 x 17	10 x 17	10 x 17
7.5		8 x 16	10 x 17	10 x 17	10 x 17
8.2		8 x 16	10 x 17	10 x 17	10 x 17
10		10 x 17	10 x 17	10 x 17	10 x 17
12		10 x 17	10 x 17	10 x 17	10 x 17
15		10 x 17	10 x 17	10 x 17	13 x 25
18		10 x 17	10 x 17	13 x 25	13 x 25
22		10 x 17	10 x 17	13 x 25	13 x 25
27		10 x 17	13 x 25	13 x 25	13 x 25
33		10 x 17	13 x 25	13 x 25	13 x 25
39		10 x 17	13 x 25	13 x 25	13 x 31
47		13 x 25	13 x 31	13 x 31	13 x 31
56		13 x 25	13 x 31	13 x 31	13 x 31
68		13 x 25	13 x 31	13 x 31	13 x 31
75		13 x 31	13 x 31	13 x 31	13 x 31
82		13 x 31	13 x 31	13 x 31	16 x 31
100		13 x 31	13 x 31	16 x 31	16 x 31
120		13 x 31	13 x 31	16 x 31	16 x 31
150		13 x 31	13 x 31	16 x 41	16 x 41
180		16 x 31	16 x 31	16 x 41	16 x 41
220		16 x 31	16 x 31	18 x 41	18 x 41
250		16 x 31	16 x 31	18 x 41	18 x 41
270		16 x 31	16 x 31	18 x 41	18 x 41
330		16 x 31	16 x 41	22 x 41	22 x 41
390		16 x 41	16 x 41	22 x 41	22 x 41
470		18 x 41	16 x 41	25 x 51	25 x 51
560		18 x 41	22 x 41	25 x 51	25 x 51
680		22 x 41	25 x 45	25 x 55	25 x 55
750		22 x 41	25 x 45	25 x 55	25 x 55
820		25 x 45	25 x 45	25 x 55	25 x 55
1000		25 x 51	25 x 51	25 x 60	25 x 60

- Specific capacitance value or size may acceptable per request.
- Indicating the right P/N :  
 Example : GAS150M050-1331B[A] (The last digit stands for characteristic/DF code)