

GBS 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.
- Dissipation factor lower than GAS series.
- Life guaranteed 1,000 hours/85°C.

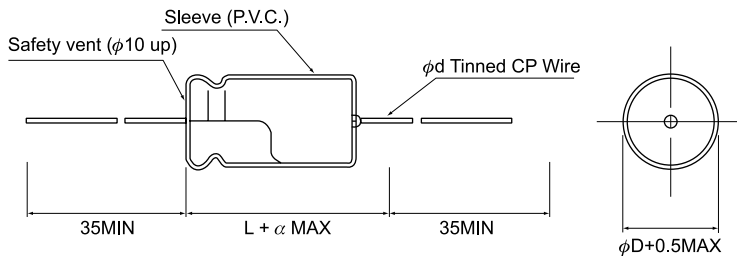


Acoustic parts

• Specifications

Item	Performance Characteristics				
Operating Temperature range	-40 + 85°C				
Rated Voltage	50V 100V				
Capacitance Range	1 ~ 220 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	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	8	10	13	16	18	22	25
φd	0.6	0.6	0.6	0.8	0.8	0.8	1.0
α	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		
		D (8%)	P (6%)	S (5%)	D (8%)	P (6%)	S (5%)
1		8 x 16	10 x 17	13 x 25	10 x 17	10 x 17	13 x 25
1.5		8 x 16	10 x 17	13 x 25	10 x 17	10 x 17	13 x 25
2.2		8 x 16	10 x 17	13 x 25	10 x 17	10 x 17	13 x 25
2.7		8 x 16	10 x 17	13 x 25	10 x 17	10 x 17	13 x 25
3.3		8 x 16	10 x 17	13 x 25	10 x 17	10 x 17	13 x 25
3.9		10 x 17	10 x 17	13 x 25	10 x 17	13 x 25	13 x 25
4.7		10 x 17	10 x 17	13 x 25	10 x 17	13 x 25	13 x 31
5.6		10 x 17	10 x 17	13 x 25	10 x 17	13 x 25	13 x 31
6.8		10 x 17	13 x 25	13 x 31	13 x 25	13 x 25	13 x 31
7.5		10 x 17	13 x 25	13 x 31	13 x 25	13 x 25	13 x 31
8.2		10 x 17	13 x 25	13 x 31	13 x 25	13 x 25	13 x 31
10		13 x 25	13 x 25	13 x 31	13 x 25	13 x 31	13 x 31
12		13 x 25	13 x 25	13 x 31	13 x 25	13 x 31	13 x 31
15		13 x 25	13 x 25	13 x 31	13 x 25	13 x 31	13 x 31
18		13 x 25	13 x 25	13 x 31	13 x 25	13 x 31	13 x 31
22		13 x 25	13 x 31	13 x 31	13 x 31	13 x 31	13 x 31
27		13 x 25	13 x 31	13 x 31	13 x 31	13 x 31	13 x 31
33		13 x 31	13 x 31	13 x 31	13 x 31	13 x 31	16 x 31
39		13 x 31	13 x 31	16 x 31	13 x 31	16 x 31	16 x 31
47		13 x 31	16 x 31	16 x 31	13 x 31	16 x 31	16 x 31
56		16 x 31	16 x 31	16 x 31	16 x 31	16 x 31	16 x 41
68		16 x 31	16 x 31	16 x 31	16 x 31	16 x 31	16 x 41
75		16 x 31	16 x 31	16 x 41	16 x 31	16 x 41	18 x 41
82		16 x 31	16 x 31	16 x 41	16 x 31	16 x 41	18 x 41
100		16 x 31	16 x 31	18 x 41	16 x 41	18 x 41	18 x 41
120		16 x 31	16 x 31	18 x 41	18 x 41	18 x 41	22 x 45
150		16 x 31	16 x 41	18 x 41	18 x 41	22 x 45	22 x 45
180		16 x 41	18 x 41	22 x 45	18 x 41	22 x 45	
220		18 x 41	22 x 45	22 x 45	22 x 45	25 x 45	

• Specific capacitance value or size may acceptable per request.

• Indicating the right P/N :

Example : GBS100M050-1631B□ (The last digit stands for characteristic/DF code)