

GNS **Bi-polar Axial Leads, For Speaker use**

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

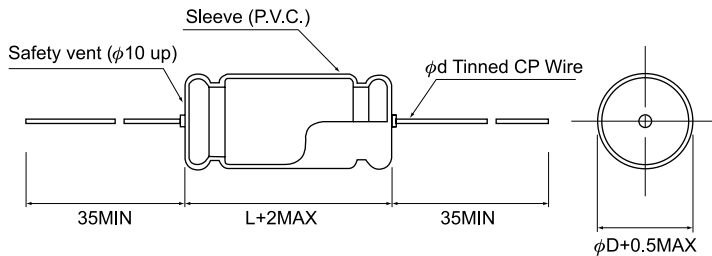


Acoustic parts

• **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 δ (max.)</td> <td>0.12</td> <td>0.10</td> </tr> </tbody> </table>	Characteristics / Code	A	B	Measured at 1KHz	Tan δ (max.)	0.12	0.10
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Tan δ (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 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)**



D ϕ	6	8	10	13	16	18	22	25
ϕd	0.6	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	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 17	8 x 17	8 x 17
1.5		6 x 16	8 x 17	8 x 17	8 x 17
2.2		6 x 16	8 x 17	8 x 17	8 x 17
2.7		6 x 16	8 x 17	8 x 17	8 x 17
3.3		6 x 16	8 x 17	8 x 17	10 x 19
3.9		6 x 16	8 x 17	8 x 17	10 x 19
4.7		8 x 17	8 x 17	8 x 17	10 x 19
5.6		8 x 17	8 x 17	10 x 19	10 x 19
6.8		8 x 17	10 x 19	10 x 19	10 x 19
7.5		8 x 17	10 x 19	10 x 19	10 x 19
8.2		8 x 17	10 x 19	10 x 19	10 x 19
10		10 x 19	10 x 19	10 x 19	10 x 19
12		10 x 19	10 x 19	10 x 19	10 x 19
15		10 x 19	10 x 19	10 x 19	13 x 26
18		10 x 19	10 x 19	13 x 26	13 x 26
22		10 x 19	10 x 19	13 x 26	13 x 26
27		10 x 19	13 x 26	13 x 26	13 x 26
33		10 x 19	13 x 26	13 x 26	13 x 26
39		10 x 19	13 x 26	13 x 26	13 x 31
47		13 x 26	13 x 31	13 x 31	13 x 31
56		13 x 26	13 x 31	13 x 31	13 x 31
68		13 x 26	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 34
100		13 x 31	13 x 31	16 x 34	16 x 34
120		13 x 31	13 x 31	16 x 34	16 x 34
150		13 x 31	16 x 34	16 x 42	16 x 42
180		16 x 34	16 x 34	16 x 42	16 x 42
220		16 x 34	16 x 34	18 x 42	18 x 42
250		16 x 34	16 x 34	18 x 42	18 x 42
270		16 x 34	16 x 34	18 x 42	18 x 42
330		16 x 34	16 x 42	22 x 44	22 x 44
390		16 x 42	16 x 42	22 x 44	22 x 44
470		18 x 42	16 x 42	25 x 52	25 x 52
560		18 x 42	22 x 44	25 x 52	25 x 52
680		22 x 44	25 x 46	25 x 56	25 x 56
750		22 x 44	25 x 46	25 x 56	25 x 56
820		25 x 46	25 x 46	25 x 56	25 x 56
1000		25 x 52	25 x 52	25 x 60	25 x 60

- Specific capacitance value or size may acceptable per request.
- Indicating the right P/N :
Example : GNS100M050-1331B[A] (The last digit stands for characteristic/DF code)