

DB.GB

Bi-Polarized, For Speaker Network

series



For Audio Use



Bi-polarized

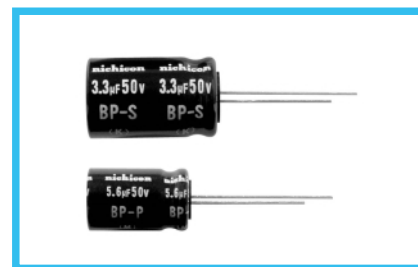


Anti-Solvent Feature

- Bi-polarized series.
- Designed specifically for crossover networks in Hi-Fi sound systems.
- Compliant to the RoHS directive (2002/95/EC).

#### ● GB series

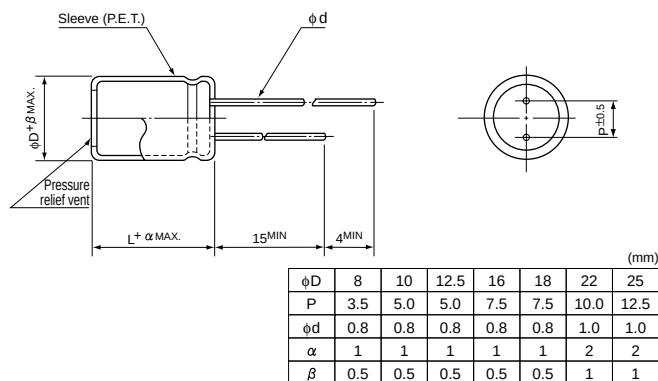
Products which are scheduled to be discontinued.  
Not recommended for new designs



### Specifications

| Performance Characteristics                                     | DB series                                                                | GB series                    |
|-----------------------------------------------------------------|--------------------------------------------------------------------------|------------------------------|
| Category Temperature Range                                      | -40 to +85°C                                                             | -40 to +85°C                 |
| Rated Voltage Range                                             | 50V                                                                      | 50V                          |
| Rated Capacitance Tolerance                                     | ±20% at 1kHz                                                             | ±10% at 1kHz                 |
| Leakage Current (After 5 minutes' application of rated voltage) | Leakage current is not more than 0.03CV or 3 (µA), whichever is greater. |                              |
| Tangent of loss angle (tan δ)<br>(1 kHz)<br>(5 kHz)             | 0.10 or less<br>0.15 or less                                             | 0.05 or less<br>0.05 or less |
| Allowable Continuous Current (8Ω - fc)                          | Value in table or less                                                   | Value in table or less       |
| Marking                                                         | Printed with white color letter on black sleeve.                         |                              |

### Radial Lead Type

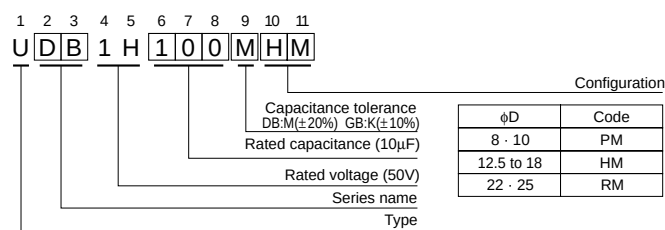


### Dimensions

| Cap.<br>(µF) | Code | DB $\phi D \times L$ (mm) |           | GB $\phi D \times L$ (mm) |  | Rated ripple (mArms) |      |
|--------------|------|---------------------------|-----------|---------------------------|--|----------------------|------|
|              |      | 1H (50V)                  |           | Frequency (Hz)            |  | DB                   | GB   |
| 1            | 010  | 8 × 11.5                  | 10 × 20   | 20k                       |  | 205                  | 760  |
| 1.5          | 1R5  | 8 × 11.5                  | 12.5 × 20 | 13k                       |  | 245                  | 800  |
| 2.2          | 2R2  | 10 × 12.5                 | 12.5 × 20 | 9k                        |  | 320                  | 820  |
| 3.3          | 3R3  | 10 × 16                   | 16 × 25   | 6k                        |  | 400                  | 850  |
| 4.7          | 4R7  | 10 × 20                   | 16 × 25   | 4.2k                      |  | 480                  | 890  |
| 6.8          | 6R8  | 12.5 × 20                 | 16 × 31.5 | 2.9k                      |  | 540                  | 920  |
| 10           | 100  | 12.5 × 25                 | 18 × 35.5 | 2k                        |  | 600                  | 970  |
| 15           | 150  | 12.5 × 25                 | 22 × 40   | 1.3k                      |  | 660                  | 1040 |
| 22           | 220  | 16 × 25                   | 22 × 40   | 900                       |  | 740                  | 1060 |
| 33           | 330  | 16 × 31.5                 | 25 × 40   | 600                       |  | 800                  | 1120 |
| 47           | 470  | 18 × 35.5                 |           | 420                       |  | 1020                 |      |
| 68           | 680  | 22 × 40                   |           | 290                       |  | 1200                 |      |

- Please refer to page 20 about the end seal configuration.

Type numbering system (Example : DB series 50V 10µF)



Please refer to page 20, 21, 22 about the formed or taped product spec.  
Please refer to page 4 for the minimum order quantity.