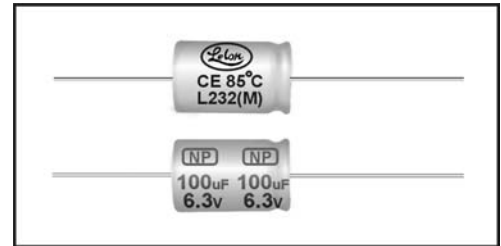
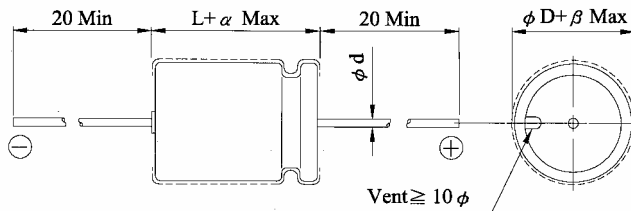


**CE02 Type**
**Features**

- 85°C, 1000 hours assured,
- Bi-polarized, excellent high frequency response characteristic
- Designed specifically for crossover network in Hi-Fi sound
- Suitable for improving audio tone and speaker network


**SPECIFICATIONS**

Items	Performance											
	TB	TBL										
Operating Temperature Range	-40°C ~ +85°C											
Rated Voltage	50V, DC											
Capacitance Tolerance	±20% (at 1K Hz, 20°C)											
Leakage Current (at 20°C)	I = 0.03CV or 3 (μA) whichever is greater (after 2 minutes) Where, C= rated capacitance in μF. V = rated DC working voltage in V.											
Dissipation Factor (Tan δ at 1K Hz, 20°C)	<table border="1"> <thead> <tr> <th>Series</th> <th>TB</th> <th>TBL</th> </tr> </thead> <tbody> <tr> <td>Cap.(μF) 0.47 ~ 1.5</td> <td>0.15</td> <td rowspan="3">0.06</td> </tr> <tr> <td>2.2 ~ 10</td> <td>0.12</td> </tr> <tr> <td>15 up above</td> <td>0.09</td> </tr> </tbody> </table>		Series	TB	TBL	Cap.(μF) 0.47 ~ 1.5	0.15	0.06	2.2 ~ 10	0.12	15 up above	0.09
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	Cap.(μF) 0.47 ~ 1.5	0.15	0.06									
2.2 ~ 10	0.12											
15 up above	0.09											
Load Life Test (After application of the rated voltage at 85°C, the polarity inverted every 250hrs.)	<table border="1"> <thead> <tr> <th>Test Time</th> <th>1000 Hrs</th> </tr> </thead> <tbody> <tr> <td>Capacitance Change</td> <td>Within ±20% of initial value</td> </tr> <tr> <td>Dissipation Factor</td> <td>Less than 200% of specified value</td> </tr> <tr> <td>Leakage Current</td> <td>Within specified value</td> </tr> </tbody> </table>		Test Time	1000 Hrs	Capacitance Change	Within ±20% of initial value	Dissipation Factor	Less than 200% of specified value	Leakage Current	Within specified value		
	Test Time	1000 Hrs										
	Capacitance Change	Within ±20% of initial value										
	Dissipation Factor	Less than 200% of specified value										
Leakage Current	Within specified value											
Shelf Life Test	* The above specifications shall be satisfied when the capacitors are restored to 20°C after the rated voltage applied for 1000 hrs at 85°C.											
Other Standards	Test time: 1000 hrs; other items are the same as those for the load life test. JIS C 5101-4											

**DIAGRAM OF DIMENSIONS**


Unit: mm

**LEAD DIAMETER**

φ D	6.3	8	10	13	16	18	22
φ d	0.6		0.8		1.0		
α	1.5			2.0			
β	0.5			1.0			

Dimension: φ D × L(mm)

Ripple Current: mA/rms at 1K Hz, 85°C

**DIMENSION & PERMISSIBLE RIPPLE CURRENT**

μF	Series V.DC Contents	TB		TBL	
		50V (1H)		50V (1H)	
		φ D × L	mA	φ D × L	mA
0.47	R47	6.3 × 16	30		
0.56	R56	6.3 × 16	30		
0.68	R68	6.3 × 16	30		
0.82	R82	6.3 × 16	30		
1	010	8 × 17	45	10 × 25	75
1.5	1R5	8 × 17	65	10 × 25	95
2.2	2R2	10 × 20	85	13 × 27	145
3.3	3R3	10 × 20	105	16 × 33	185
4.7	4R7	10 × 21	145	16 × 33	240
6.8	6R8	13 × 27	280	16 × 37	320
8.2	8R2	13 × 27	305	18 × 43	420
10	100	13 × 32	365	18 × 43	540
15	150	13 × 32	420	22 × 50	750
22	220	16 × 33	480	22 × 50	950
33	330	16 × 38	520		
47	470	18 × 42	640		
68	680	22 × 46	750		