

### FEATURES

- 85°C, 1000 hours assured, prong terminal series.
- Has an auxiliary terminal which can withstand vibration excellently when affixing to PCB.
- Suitable for electronic equipment with medium-high voltage such as filter of high rectification circuits.

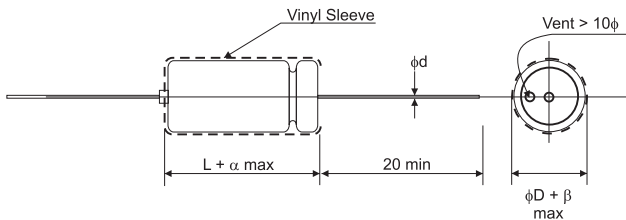


### SPECIFICATIONS

| Item   | Performance   |                                   |      |
|--|---|-----------------------------------|------|
|  | TB  |                                   | TBL  |
| Operating Temperature Range  | 40° ~ + 85°C  |                                   |      |
| Rated Voltage  | 50V, DC   |                                   |      |
| Capacitance Tolerance  | ± 20% (120Hz, 20°C)   |                                   |      |
| Leakage Current (at 20°C)  | I = 0.03CV or 3 (μA) whichever is greater (after 2 minutes)<br>Where, C = rated capacitance in μF. V=rated DC working voltage in V.                   |                                   |      |
| Dissipation Factor<br>Tanδ at 1K Hz, 20°C  | Series  | TB                                | TBL  |
|  | Cap. (μF)   | 0.47 ~ 1.5                        | 0.15 |
|  |   | 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 250 hours) | Test Time   | 1000 Hrs                          |      |
|  | Capacitance Change  | ≤ ± 20%                           |      |
|  | Dissipation Factor  | Less than 200% of specified value |      |
|  | Leakage Current   | Within specified values           |      |
|  | The above specification shall be satisfied when the capacitors are restored to 20°C after rated voltage applied for 1000 hrs at 85°C.                 |                                   |      |
| Shelf Life Test  | Test Time   | 1000 Hrs                          |      |
|  | Capacitance Change  | ≤ ± 20%                           |      |
|  | Dissipation Factor  | Less than 200% of specified value |      |
|  | Leakage Current   | Within specified values           |      |
|  | The above specification shall be satisfied when the capacitors are restored to 20°C after exposing them for 1000 hrs at 85°C without voltage applied. |                                   |      |
| Standards  | Satisfies Characteristic W of JIS C 5141  |                                   |      |

### LEAD SPACING AND 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 |    |     |    |    |



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

### PART NUMBER EXAMPLE TB 330 M 1H TR 160 380