

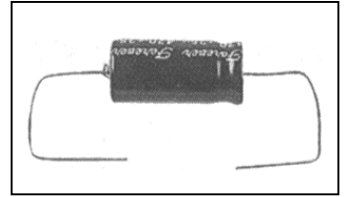
## Axial electrolytics

| Order code | Manufacturer code | Description                       |
|------------|-------------------|-----------------------------------|
| 11-0010    | n/a               | 47U 16V AXIAL ELECTROLYTIC (RC)   |
| 11-0015    | n/a               | 100U 16V AXIAL ELECTROLYTIC (RC)  |
| 11-0020    | n/a               | 220U 16V AXIAL ELECTROLYTIC (RC)  |
| 11-0025    | n/a               | 470U 16V AXIAL ELECTROLYTIC (RC)  |
| 11-0030    | n/a               | 1000U 16V AXIAL ELECTROLYTIC (RC) |
| 11-0035    | n/a               | 2200U 16V AXIAL ELECTROLYTIC (RC) |
| 11-0040    | n/a               | 4700U 16V AXIAL ELECTROLYTIC (RC) |
| 11-0045    | n/a               | 10U 35V AXIAL ELECTROLYTIC (RC)   |
| 11-0050    | n/a               | 22U 35V AXIAL ELECTROLYTIC (RC)   |
| 11-0055    | n/a               | 47U 35V AXIAL ELECTROLYTIC        |
| 11-0060    | n/a               | 100U 35V AXIAL ELECTROLYTIC (RC)  |
| 11-0065    | n/a               | 220U 35V AXIAL ELECTROLYTIC (RC)  |
| 11-0070    | n/a               | 470U 35V AXIAL ELECTROLYTIC (RC)  |
| 11-0075    | n/a               | 10U 63V AXIAL ELECTROLYTIC (RC)   |
| 11-0085    | n/a               | 47U 63V AXIAL ELECTROLYTIC (RC)   |
| 11-0090    | n/a               | 100U 63V AXIAL ELECTROLYTIC (RC)  |
| 11-0105    | n/a               | 1U 63V AXIAL ELECTROLYTIC (RC)    |
| 11-0110    | n/a               | 2.2U 63V AXIAL ELECTROLYTIC (RC)  |
| 11-0115    | n/a               | 4.7U 63V AXIAL ELECTROLYTIC (RC)  |
| 11-0120    | n/a               | 10U 25V AXIAL ELECTROLYTIC (RC)   |
| 11-0125    | n/a               | 22U 25V AXIAL ELECTROLYTIC (RC)   |
| 11-0130    | n/a               | 47U 25V AXIAL ELECTROLYTIC (RC)   |
| 11-0135    | n/a               | 100U 25V AXIAL ELECTROLYTIC (RC)  |
| 11-0140    | n/a               | 220U 25V AXIAL ELECTROLYTIC (RC)  |
| 11-0145    | n/a               | 470U 25V AXIAL ELECTROLYTIC (RC)  |
| 11-0150    | n/a               | 1000U 25V AXIAL ELECTROLYTIC (RC) |
| 11-0155    | n/a               | 2200U 25V AXIAL ELECTROLYTIC (RC) |
| 11-0160    | n/a               | 4700U 25V AXIAL ELECTROLYTIC (RC) |
| 11-0170    | n/a               | 47U 10V AXIAL ELECTROLYTIC (RC)   |
| 11-0175    | n/a               | 100U 10V AXIAL ELECTROLYTIC (RC)  |
| 11-0180    | n/a               | 1000U 10V AXIAL ELECTROLYTIC (RC) |
| 11-0185    | n/a               | 2200U 10V AXIAL ELECTROLYTIC (RC) |

|  |                          |
|--|--------------------------|
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| The enclosed information is believed to be correct, Information may change without notice due to product improvement. Users should ensure that the product is suitable for their use. E. & O. E. | Revision A<br>20/02/2007 |

# Capacitors

## Forever RT Series – Axial Electrolytic Capacitors



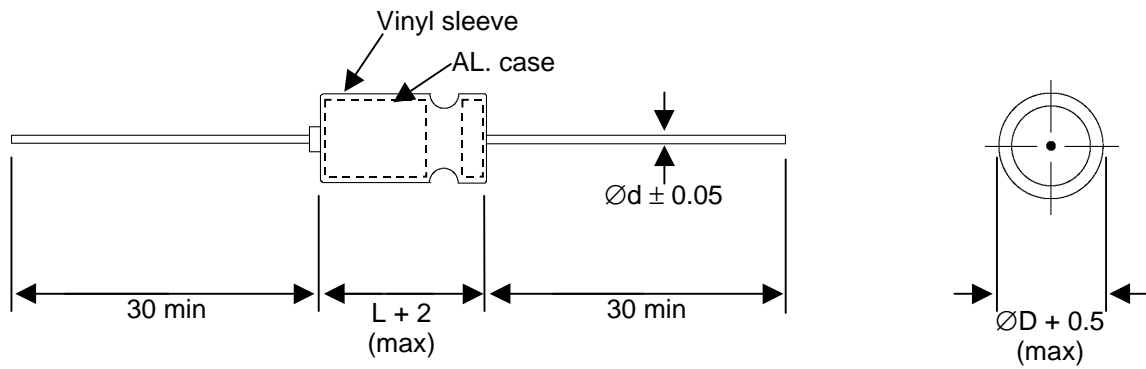
**Specification:**

|  |   |                                   |
|--|---|-----------------------------------|
| <b>Operational temperature range:</b>      | -40 to +85°C  |                                   |
| <b>Rating working voltage:</b>             | See table (voltage)   |                                   |
| <b>Capacitance tolerance (120Hz 25°C):</b> | ±20% (M)  |                                   |
| <b>Leakage current (25°C):</b>             | I = 0.01CV + 3(µA) max.   |                                   |
| <b>Load:</b>                               | After 2000 hours application of WV at +85°C the capacitor shall meet the following limits |                                   |
|  | Capacitance change:   | ≤ ±20% of initial value           |
|  | Dissipation factor:   | ≤ 150% of initial specified value |
|  | Leakage current:  | ≤ initial specified value         |
| <b>Shelf life:</b>                         | After 500 hours no voltage at 85°C the capacitor shall meet the following limits          |                                   |
|  | Capacitance change  | ≤ ±20% of initial value           |
|  | Dissipation factor:   | ≤ 200% of initial specified value |
|  | Leakage current:  | ≤ 200% of initial specified value |

**Ordering Information:**

| Voltage | Capacitance | Case size* | Ripple Current** |
|---------|-------------|------------|------------------|
| 10V     | 47µF        | A          | 100              |
|         | 100µF       | A          | 290              |
|         | 1000µF      | D          | 1000             |
|         | 2200µF      | F          | 1560             |
| 16V     | 47µF        | A          | 200              |
|         | 100µF       | A          | 330              |
|         | 220µF       | C          | 490              |
|         | 470µF       | D          | 740              |
|         | 1000µF      | E          | 1130             |
|         | 2200µF      | G          | 1750             |
| 25V     | 4700µF      | I          | 2220             |
|         | 10µF        | A          | 90               |
|         | 22µF        | A          | 160              |
|         | 47µF        | A          | 240              |
|         | 100µF       | B          | 360              |
|         | 220µF       | C          | 540              |
|         | 470µF       | E          | 810              |
|         | 1000µF      | F          | 1130             |
| 35V     | 2200µF      | H          | 1870             |
|         | 4700µF      | J          | 2690             |
|         | 10µF        | A          | 105              |
|         | 22µF        | A          | 180              |
|         | 47µF        | B          | 270              |
|         | 100µF       | C          | 400              |
| 63V     | 220µF       | D          | 600              |
|         | 470µF       | F          | 290              |
|         | 1µF         | A          | 5                |
|         | 2.2µF       | A          | 45               |
|         | 4.7µF       | A          | 80               |
|         | 10µF        | A          | 120              |
|         | 47µF        | C          | 290              |
|         | 100µF       | D          | 450              |

**Dimensions (mm):**



| Case Code | L  | D  | D (max) |
|-----------|----|----|---------|
| A         | 12 | 6  | 0.5     |
| B         | 13 | 8  | 0.6     |
| C         | 17 | 8  | 0.6     |
| D         | 18 | 10 | 0.6     |
| E         | 21 | 10 | 0.6     |
| F         | 21 | 13 | 0.6     |
| G         | 26 | 13 | 0.6     |
| H         | 27 | 16 | 0.8     |
| I         | 33 | 16 | 0.8     |
| J         | 36 | 16 | 0.8     |