

## LR Series Snap-in Type 85°C

### Features

- ◆ Snap-in design for audio equipment.
- ◆ Aluminum case designed explosion-proof vent. Non solvent-proof type
- ◆ RoHS Compliant



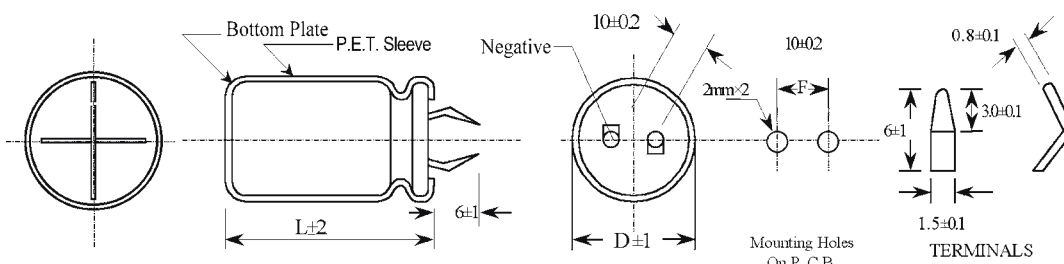
### Specifications

| Item  | Performance Characteristics   |                      |    |    |    |    |     |     |                   |             |    |    |    |    |    |                   |    |    |    |    |    |    |
|---|---|----------------------|----|----|----|----|-----|-----|-------------------|-------------|----|----|----|----|----|-------------------|----|----|----|----|----|----|
| Operating Temperature Range                               | -40~+85°C   |                      |    |    |    |    |     |     |                   |             |    |    |    |    |    |                   |    |    |    |    |    |    |
| Rated voltage Range                                       | 16 to 100 VDC   |                      |    |    |    |    |     |     |                   |             |    |    |    |    |    |                   |    |    |    |    |    |    |
| Capacitance Range   | 680~33000 µ F   |                      |    |    |    |    |     |     |                   |             |    |    |    |    |    |                   |    |    |    |    |    |    |
| Capacitance Tolerance                                     | ±20%(120Hz,+20°C)   |                      |    |    |    |    |     |     |                   |             |    |    |    |    |    |                   |    |    |    |    |    |    |
| Leakage Current (+20°C,max.)                              | $I \leq 0.02 CV (\mu A)$ After 5 minute with rated working voltage applied.   |                      |    |    |    |    |     |     |                   |             |    |    |    |    |    |                   |    |    |    |    |    |    |
| Dissipation Factor<br>( $\tan \delta$ , at 20°C , 120Hz)  | <table border="1"> <tr> <td>Working Voltage(VDC)</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> <td>63</td> <td>80</td> <td>100</td> </tr> <tr> <td>D.F.(%)max.</td> <td>35</td> <td>30</td> <td>30</td> <td>30</td> <td>22</td> <td>20</td> <td>20</td> </tr> </table>   | Working Voltage(VDC) | 16 | 25 | 35 | 50 | 63  | 80  | 100               | D.F.(%)max. | 35 | 30 | 30 | 30 | 22 | 20                | 20 |    |    |    |    |    |
|   | Working Voltage(VDC)  | 16                   | 25 | 35 | 50 | 63 | 80  | 100 |                   |             |    |    |    |    |    |                   |    |    |    |    |    |    |
| D.F.(%)max.   | 35  | 30                   | 30 | 30 | 22 | 20 | 20  |     |                   |             |    |    |    |    |    |                   |    |    |    |    |    |    |
| For capacitance > 22000 µ F, add 2% per another 1000 µ F. |   |                      |    |    |    |    |     |     |                   |             |    |    |    |    |    |                   |    |    |    |    |    |    |
| Low Temperature Characteristics<br>(at 120Hz)             | Impedance ratio max   |                      |    |    |    |    |     |     |                   |             |    |    |    |    |    |                   |    |    |    |    |    |    |
|   | <table border="1"> <tr> <td>Rated voltage(V)</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> <td>63</td> <td>100</td> </tr> <tr> <td>Z - 25°C / Z+20°C</td> <td>5</td> <td>4</td> <td>4</td> <td>4</td> <td>4</td> <td>4</td> </tr> <tr> <td>Z - 40°C / Z+20°C</td> <td>15</td> <td>15</td> <td>12</td> <td>12</td> <td>12</td> <td>12</td> </tr> </table> | Rated voltage(V)     | 16 | 25 | 35 | 50 | 63  | 100 | Z - 25°C / Z+20°C | 5           | 4  | 4  | 4  | 4  | 4  | Z - 40°C / Z+20°C | 15 | 15 | 12 | 12 | 12 | 12 |
|   | Rated voltage(V)  | 16                   | 25 | 35 | 50 | 63 | 100 |     |                   |             |    |    |    |    |    |                   |    |    |    |    |    |    |
| Z - 25°C / Z+20°C   | 5   | 4                    | 4  | 4  | 4  | 4  |     |     |                   |             |    |    |    |    |    |                   |    |    |    |    |    |    |
| Z - 40°C / Z+20°C   | 15  | 15                   | 12 | 12 | 12 | 12 |     |     |                   |             |    |    |    |    |    |                   |    |    |    |    |    |    |
|   |   |                      |    |    |    |    |     |     |                   |             |    |    |    |    |    |                   |    |    |    |    |    |    |
| Endurance   | Test condition<br>Duration time :2000 Hrs<br>Ambient temperature :+85°C<br>Applied voltage :Rated DC working voltage<br>After test requirement at +20°C<br>Capacitance change : $\leq \pm 25\%$ of the initial measured value<br>Dissipation factor : $\leq 200\%$ of the initial specified value<br>Leakage current : $\leq$ The initial specified value       |                      |    |    |    |    |     |     |                   |             |    |    |    |    |    |                   |    |    |    |    |    |    |
|   |   |                      |    |    |    |    |     |     |                   |             |    |    |    |    |    |                   |    |    |    |    |    |    |
| Shelf Life  | Test condition<br>Duration time :1000 Hrs<br>Ambient temperature :+85°C<br>Applied voltage :None<br>After test requirement at +20°C:Same limits as Endurance.<br>Pre-treatment for measurements shall be conducted after application of DC working voltage for 30 minutes.  |                      |    |    |    |    |     |     |                   |             |    |    |    |    |    |                   |    |    |    |    |    |    |
|   |   |                      |    |    |    |    |     |     |                   |             |    |    |    |    |    |                   |    |    |    |    |    |    |

### Multiplier for Ripple Current vs. Frequency

| CAP (µ F) \ Frequency(Hz) | 50(60) | 120 | 1K   | 10K  | 100K |
|---------------------------|--------|-----|------|------|------|
| CAP ≤ 100                 | 0.80   | 1   | 1.36 | 1.48 | 1.53 |
| 100 < CAP ≤ 1000          | 0.80   | 1   | 1.25 | 1.35 | 1.38 |
| 1000 < CAP                | 0.80   | 1   | 1.17 | 1.25 | 1.28 |

### Diagram of Dimensions:(unit:mm)



Safety Device

## Case Size

φ D x L (mm)

| Cap (μF) | 16    |        |       |        |       |        |       |        | 25    |        |       |        |       |        |       |        |
|----------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|
|          | 22    |        | 25    |        | 30    |        | 35    |        | 22    |        | 25    |        | 30    |        | 35    |        |
|          | Size  | Ripple | Size  | Ripple | Size  | Ripple | Size  | Ripple | Size  | Ripple | Size  | Ripple | Size  | Ripple | Size  | Ripple |
| 820      |       |        |       |        |       |        |       |        | 22×21 | 0.75   |       |        |       |        |       |        |
| 1000     |       |        |       |        |       |        |       |        |       |        | 25×21 | 0.95   |       |        |       |        |
| 1200     | 22×21 | 0.95   |       |        |       |        |       |        |       |        |       |        |       |        |       |        |
| 1500     |       |        | 25×21 | 1.10   |       |        |       |        |       |        |       |        |       | 30×21  | 1.30  |        |
| 1800     | 22×26 | 1.20   |       |        |       |        |       |        |       |        | 25×26 | 1.55   |       |        |       |        |
| 2200     |       |        |       |        | 30×21 | 1.35   |       |        | 22×36 | 1.85   | 25×21 | 1.50   | 30×26 | 1.80   | 35×22 | 1.75   |
|          |       |        |       |        |       |        |       |        |       |        | 25×31 | 1.80   |       |        |       |        |
| 2700     |       |        | 25×26 | 1.75   |       |        |       |        | 22×26 | 1.70   |       |        |       |        |       |        |
|          |       |        |       |        |       |        |       |        | 22×46 | 2.20   | 25×36 | 2.15   |       |        |       |        |
| 3300     | 22×21 | 1.50   | 25×31 | 2.00   |       |        | 35×22 | 1.95   | 22×21 | 1.50   |       |        | 30×21 | 1.85   |       |        |
|          |       |        |       |        |       |        |       |        | 22×31 | 1.80   |       |        | 30×31 | 2.40   |       |        |
|          |       |        |       |        |       |        |       |        | 22×51 | 2.50   | 25×41 | 2.45   |       |        | 35×27 | 2.45   |
| 3900     | 22×46 | 2.30   | 25×21 | 1.55   |       |        |       |        |       |        | 25×21 | 1.55   |       |        |       |        |
|          |       |        | 25×36 | 2.35   | 30×26 | 2.35   |       |        |       |        | 25×26 | 1.10   |       |        |       |        |
|          |       |        |       |        |       |        |       |        |       |        | 25×46 | 2.80   | 30×36 | 2.80   |       |        |
| 4700     | 22×21 | 1.35   | 25×41 | 2.70   |       |        |       |        | 22×26 | 1.70   |       |        |       |        | 35×22 | 2.20   |
|          | 22×26 | 1.75   |       |        |       |        | 35×27 | 2.60   | 22×36 | 2.30   | 25×31 | 2.25   |       |        | 35×32 | 3.15   |
|          | 22×51 | 2.75   |       |        | 30×31 | 2.70   |       |        |       |        |       |        | 30×41 | 3.25   |       |        |
| 5600     |       |        | 25×46 | 2.90   | 30×21 | 1.85   |       |        | 22×41 | 2.50   | 25×36 | 2.40   | 30×21 | 1.85   |       |        |
|          |       |        |       |        |       |        |       |        |       |        |       |        | 30×26 | 2.50   | 35×36 | 3.50   |
|          |       |        |       |        | 30×36 | 2.90   |       |        |       |        |       |        | 30×46 | 3.50   |       |        |
| 6800     | 22×31 | 2.20   | 25×21 | 1.70   |       |        | 35×32 | 3.15   | 22×31 | 2.20   | 25×26 | 2.15   |       |        |       |        |
|          |       |        | 25×26 | 2.15   |       |        |       |        | 22×51 | 2.65   | 25×41 | 2.65   | 30×31 | 2.65   |       |        |
|          |       |        | 25×51 | 3.20   | 30×41 | 3.20   |       |        |       |        |       |        |       |        | 35×42 | 3.80   |
| 8200     |       |        |       |        |       |        | 35×22 | 2.25   | 22×36 | 2.35   | 25×31 | 2.30   |       |        | 35×22 | 2.25   |
|          | 22×26 | 1.90   | 25×31 | 2.30   |       |        | 35×37 | 3.30   |       |        | 25×46 | 2.90   | 30×36 | 2.85   | 35×27 | 3.05   |
|          | 22×36 | 2.40   |       |        | 30×46 | 3.35   |       |        |       |        |       |        |       |        | 35×47 | 4.00   |
| 10000    | 22×31 | 2.05   |       |        | 30×21 | 2.10   | 35×42 | 3.50   | 22×41 | 2.65   | 25×36 | 2.50   | 30×26 | 2.65   |       |        |
|          |       |        | 25×26 | 2.00   | 30×26 | 2.50   |       |        |       |        | 25×51 | 3.30   | 30×41 | 3.30   | 35×32 | 3.30   |
|          | 22×41 | 2.65   | 25×36 | 2.45   |       |        |       |        |       |        |       |        |       |        |       |        |
| 12000    | 22×36 | 2.20   | 25×31 | 2.15   | 30×31 | 2.72   | 35×22 | 2.10   | 22×46 | 2.90   | 25×41 | 2.75   | 30×31 | 2.80   | 35×27 | 2.65   |
|          | 22×51 | 2.75   | 25×41 | 2.75   |       |        | 35×42 | 3.50   |       |        |       |        | 30×46 | 3.55   | 35×37 | 3.50   |
|          |       |        |       |        |       |        | 35×47 | 3.70   |       |        |       |        |       |        |       |        |
| 15000    | 20×41 | 2.50   | 25×36 | 2.40   | 30×26 | 2.50   |       |        |       |        | 25×46 | 3.15   | 30×36 | 3.10   |       |        |
|          |       |        | 25×46 | 3.10   | 30×36 | 3.10   |       |        |       |        |       |        | 30×51 | 4.15   | 35×42 | 4.00   |
| 18000    | 22×46 | 2.80   | 25×41 | 2.60   | 30×31 | 2.65   | 35×32 | 3.45   |       |        | 25×51 | 3.55   | 30×41 | 3.40   | 35×32 | 3.50   |
|          |       |        | 25×51 | 3.50   | 30×41 | 3.40   |       |        |       |        |       |        |       |        | 35×47 | 4.45   |
| 22000    |       |        | 25×46 | 2.95   | 30×36 | 2.90   | 35×27 | 2.90   |       |        |       |        | 30×46 | 3.85   | 35×37 | 3.85   |
|          |       |        |       |        | 30×46 | 3.80   | 35×37 | 3.80   |       |        |       |        |       |        |       |        |
| 27000    |       |        | 25×51 | 3.40   | 30×41 | 3.25   |       |        |       |        |       |        |       |        |       |        |
|          |       |        |       |        | 30×51 | 4.25   | 35×32 | 3.35   |       |        |       |        |       |        | 35×42 | 4.30   |
| 33000    |       |        |       |        |       |        | 35×42 | 4.25   |       |        |       |        |       |        |       |        |
|          |       |        |       |        | 30×46 | 3.70   | 35×37 | 3.65   |       |        |       |        |       |        | 35×47 | 4.85   |
|          |       |        |       |        |       |        | 35×47 | 4.50   |       |        |       |        |       |        |       |        |

Ripple Current (A, rms) at 85°C 120Hz

φ DxL (mm)

| Cap(μF) | 35    |        |       |        |       |        |       |        | 50    |        |       |        |       |        |       |        |
|---------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|
|         | 22    |        | 25    |        | 30    |        | 35    |        | 22    |        | 25    |        | 30    |        | 35    |        |
|         | Size  | Ripple | Size  | Ripple | Size  | Ripple | Size  | Ripple | Size  | Ripple | Size  | Ripple | Size  | Ripple | Size  | Ripple |
| 680     |       |        |       |        |       |        |       |        | 22×26 | 1.00   |       |        |       |        |       |        |
| 820     |       |        | 25×21 | 0.85   |       |        |       |        | 22×21 | 1.00   |       |        |       |        |       |        |
|         |       |        |       |        |       |        |       |        | 22×31 | 1.25   | 25×21 | 1.35   |       |        |       |        |
| 1000    | 22×26 | 1.00   |       |        |       |        |       |        |       |        | 25×21 | 1.50   |       |        |       |        |
| 1200    | 22×21 | 1.30   | 25×26 | 1.40   |       |        |       |        |       |        |       |        |       |        |       |        |
|         | 22×31 | 1.45   |       |        | 30×21 | 1.40   |       |        |       |        |       |        |       |        |       |        |
| 1500    | 22×36 | 1.55   | 25×31 | 1.55   |       |        |       |        | 22×21 | 1.55   | 25×36 | 2.15   | 30×21 | 1.80   |       |        |
|         |       |        |       |        |       |        |       |        | 22×31 | 1.80   |       |        | 30×26 | 2.15   |       |        |
|         |       |        |       |        |       |        |       |        | 22×46 | 2.20   |       |        |       |        |       |        |
| 1800    | 22×26 | 1.55   | 25×21 | 1.65   | 30×26 | 1.75   | 35×22 | 1.70   | 22×51 | 2.45   | 25×21 | 1.65   |       |        | 35×27 | 2.40   |
|         | 22×41 | 1.45   |       |        |       |        |       |        |       |        | 25×26 | 2.15   |       |        |       |        |
|         |       |        |       |        |       |        |       |        |       |        | 25×41 | 2.45   |       |        |       |        |
| 2200    | 22×46 | 1.95   | 25×36 | 1.95   | 30×31 | 1.95   |       |        | 22×26 | 1.85   | 25×31 | 2.30   | 30×36 | 2.60   | 35×22 | 2.60   |
|         |       |        |       |        |       |        |       |        | 22×36 | 2.35   | 25×51 | 2.65   |       |        | 35×32 | 2.60   |
| 2700    | 22×31 | 2.05   | 25×26 | 2.00   | 30×21 | 2.05   | 35×27 | 2.30   | 22×46 | 2.45   |       |        | 30×26 | 2.60   |       |        |
|         |       |        | 25×46 | 2.35   | 30×36 | 2.30   |       |        |       |        | 25×36 | 2.50   | 30×46 | 3.00   | 35×37 | 2.95   |
| 3300    | 22×26 | 1.75   | 25×31 | 2.20   |       |        | 35×32 | 2.65   | 22×36 | 2.20   |       |        | 30×31 | 2.80   |       |        |
|         | 22×36 | 2.25   | 25×51 | 2.70   | 30×41 | 2.70   |       |        | 22×51 | 2.80   | 25×41 | 2.80   | 30×51 | 3.30   | 35×42 | 3.25   |
| 3900    | 22×41 | 2.40   | 25×36 | 2.30   | 30×21 | 1.85   | 35×22 | 2.50   |       |        |       |        |       |        | 35×22 | 2.45   |
|         |       |        |       |        | 30×26 | 2.40   | 35×37 | 3.00   | 22×41 | 2.45   | 25×31 | 2.50   | 30×26 | 2.35   | 35×27 | 3.15   |
|         |       |        |       |        | 30×46 | 3.00   |       |        |       |        | 25×46 | 3.00   | 30×36 | 3.00   | 35×47 | 3.50   |
| 4700    | 22×31 | 2.20   | 25×26 | 2.15   | 30×31 | 2.55   | 35×42 | 3.55   | 22×46 | 2.60   | 25×36 | 2.70   | 30×41 | 3.30   | 35×32 | 3.35   |
|         | 22×46 | 2.70   |       |        | 30×51 | 3.55   |       |        |       |        | 25×51 | 3.40   |       |        | 35×52 | 3.90   |
| 5600    | 22×36 | 2.35   | 25×31 | 2.25   |       |        | 35×22 | 2.25   | 22×51 | 2.90   |       |        | 30×31 | 3.00   | 35×22 | 2.85   |
|         | 22×41 | 3.00   | 25×41 | 3.00   |       |        | 35×27 | 2.85   |       |        | 25×41 | 2.90   | 30×46 | 3.60   | 35×37 | 3.60   |
|         | 22×51 | 2.60   |       |        |       |        | 35×47 | 3.80   |       |        |       |        |       |        |       |        |
| 6800    |       |        |       |        | 30×26 | 2.60   |       |        |       |        | 25×41 | 3.30   | 30×36 | 3.25   |       |        |
|         |       |        |       |        | 30×36 | 3.30   | 35×32 | 3.05   |       |        |       |        | 30×51 | 4.10   | 35×42 | 3.95   |
|         |       |        |       |        |       |        | 35×52 | 4.15   |       |        |       |        |       |        |       |        |
| 8200    | 22×46 | 2.90   | 25×41 | 2.70   | 30×31 | 2.75   |       |        |       |        |       |        | 30×41 | 3.55   | 35×32 | 3.65   |
|         |       |        |       |        | 30×41 | 3.60   | 35×37 | 3.30   |       |        |       |        |       |        | 35×47 | 4.40   |
| 10000   |       |        | 25×46 | 3.05   | 30×36 | 3.00   |       |        |       |        |       |        | 30×46 | 4.00   | 35×37 | 4.00   |
|         |       |        |       |        | 30×51 | 3.80   | 35×27 | 3.20   |       |        |       |        |       |        | 35×52 | 5.50   |
|         |       |        |       |        |       |        | 35×42 | 3.70   |       |        |       |        |       |        |       |        |
| 12000   |       |        | 25×51 | 3.45   | 25×51 | 3.30   | 35×32 | 3.40   |       |        |       |        |       |        |       |        |
|         |       |        |       |        |       |        | 35×37 | 4.10   |       |        |       |        |       |        | 35×42 | 4.35   |
|         |       |        |       |        |       |        | 35×47 | 3.80   |       |        |       |        |       |        |       |        |
| 15000   |       |        |       |        | 30×46 | 3.80   | 35×52 | 4.80   |       |        |       |        |       |        | 35×52 | 4.70   |
| 18000   |       |        |       |        | 30×51 | 4.30   | 35×42 | 4.15   |       |        |       |        |       |        |       |        |
| 22000   |       |        |       |        |       |        | 35×47 | 4.70   |       |        |       |        |       |        |       |        |

For Audio Equipment

Ripple Current (A, rms) at 85°C 120Hz

φ DxL(mm)

| WV<br>φ D<br>Cap(μF) | 63    |        |       |        |       |        |       |        | 80    |        |       |        |       |        |       |        |      |
|----------------------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|------|
|                      | 22    |        | 25    |        | 30    |        | 35    |        | 22    |        | 25    |        | 30    |        | 35    |        |      |
|                      | Size  | Ripple | Size  | Ripple | Size  | Ripple | Size  | Ripple | Size  | Ripple | Size  | Ripple | Size  | Ripple | Size  | Ripple |      |
| 680                  | 22×26 | 1.75   |       |        |       |        |       |        | 22×36 | 2.25   | 25×31 | 2.15   |       |        |       |        |      |
| 820                  | 22×21 | 1.30   | 25×21 | 1.65   | 30×21 | 1.90   |       |        | 22×31 | 2.05   | 25×21 | 1.65   | 30×21 | 2.05   | 35×22 | 2.55   |      |
|                      | 22×31 | 1.90   | 25×26 | 1.85   |       |        |       |        | 22×41 | 2.45   | 25×26 | 2.00   | 30×26 | 2.40   |       |        |      |
| 1000                 |       |        |       |        |       |        |       |        |       |        | 25×36 | 2.35   |       |        |       |        |      |
|                      | 22×26 | 1.85   |       |        |       |        |       |        | 22×26 | 1.85   |       |        | 30×31 | 2.60   | 35×22 | 2.10   |      |
|                      | 22×36 | 2.05   | 25×31 | 2.00   |       |        |       |        | 22×36 | 2.20   | 25×31 | 2.15   |       |        |       |        |      |
| 1200                 |       |        |       |        |       |        |       |        | 22×51 | 2.60   | 25×41 | 2.60   |       |        |       |        |      |
|                      | 22×31 | 1.95   | 25×21 | 1.65   | 30×21 | 1.95   |       |        | 22×31 | 1.95   | 25×26 | 1.90   | 30×21 | 2.00   | 35×27 | 2.95   |      |
|                      | 22×41 | 2.25   | 25×26 | 1.90   | 30×26 | 2.20   | 35×22 | 2.30   | 22×41 | 2.45   | 25×36 | 2.30   | 30×26 | 2.40   |       |        |      |
| 1500                 |       |        |       |        |       |        |       |        |       |        | 25×46 | 2.85   | 30×36 | 2.80   |       |        |      |
|                      | 22×26 | 1.90   |       |        |       |        |       |        | 22×36 | 2.15   | 25×31 | 2.10   |       |        |       |        |      |
|                      | 22×36 | 2.15   | 25×31 | 2.10   |       |        |       |        | 22×51 | 2.60   | 25×41 | 2.65   | 30×31 | 2.65   | 35×32 | 3.25   |      |
| 1800                 |       |        |       |        |       |        |       |        |       |        | 25×51 | 3.30   | 30×41 | 3.20   |       |        |      |
|                      | 22×31 | 2.00   | 25×26 | 2.00   | 30×21 | 2.05   | 35×22 | 2.45   | 22×41 | 2.35   |       |        | 30×26 | 2.40   | 35×22 | 2.50   |      |
|                      | 22×41 | 2.35   | 25×41 | 2.90   | 30×26 | 2.35   | 35×27 | 2.70   | 22×46 | 2.70   | 25×46 | 2.85   | 30×36 | 2.85   | 35×27 | 3.00   |      |
| 2200                 |       |        |       |        |       |        |       |        |       |        |       |        | 30×46 | 3.55   | 35×37 | 3.50   |      |
|                      | 22×51 | 2.90   |       |        | 30×31 | 2.90   |       |        |       |        |       |        |       |        |       |        |      |
|                      | 22×36 | 2.20   | 25×31 | 2.15   |       |        | 35×22 | 2.10   |       |        | 25×36 | 2.75   | 30×31 | 2.55   |       |        |      |
| 2700                 |       |        |       |        |       |        |       |        |       |        | 25×51 | 3.25   | 30×41 | 3.15   | 35×32 | 3.25   |      |
|                      | 22×46 | 2.70   | 25×36 | 2.75   | 30×31 | 2.50   |       |        |       |        |       |        | 30×51 | 4.05   | 35×42 | 3.90   |      |
|                      |       |        | 25×46 | 3.25   | 30×36 | 3.20   |       |        |       |        |       |        |       |        |       |        |      |
| 3300                 | 22×41 | 2.45   | 25×36 | 2.35   | 30×26 | 2.50   | 35×27 | 2.95   |       |        |       |        | 30×36 | 2.80   | 35×27 | 3.00   |      |
|                      |       |        | 25×46 | 2.80   | 30×36 | 2.75   | 35×32 | 3.65   |       |        |       |        | 30×46 | 3.60   | 35×37 | 3.55   |      |
|                      |       |        |       |        | 30×46 | 3.30   |       |        |       |        |       |        |       |        | 35×47 | 4.45   |      |
| 3900                 |       |        |       |        |       |        |       |        |       |        |       |        |       |        |       |        |      |
|                      | 22×46 | 2.80   | 25×41 | 2.60   | 30×31 | 2.70   | 35×32 | 3.15   |       |        | 25×51 | 3.25   | 30×41 | 3.15   | 35×32 | 3.20   |      |
|                      |       |        | 25×51 | 3.20   | 30×41 | 3.20   | 35×37 | 4.00   |       |        |       |        | 30×51 | 4.10   | 35×42 | 3.95   |      |
| 4700                 |       |        |       |        |       |        |       |        |       |        |       |        |       |        |       |        |      |
|                      |       |        | 25×46 | 2.85   | 30×36 | 2.85   |       |        |       |        |       |        |       | 30×46  | 3.45  | 35×37  | 3.40 |
|                      |       |        |       |        | 30×46 | 3.35   | 35×37 | 3.35   |       |        |       |        |       |        | 35×47 | 4.35   |      |
| 5600                 |       |        |       |        |       |        |       |        |       |        |       |        |       |        |       |        |      |
|                      |       |        |       |        |       |        |       |        |       |        |       |        |       |        |       |        |      |
|                      |       |        |       |        |       |        |       |        |       |        |       |        |       |        |       |        |      |
| 6800                 |       |        |       |        |       |        |       |        |       |        |       |        |       |        |       |        |      |
|                      |       |        |       |        |       |        |       |        |       |        |       |        |       |        |       |        |      |
|                      |       |        |       |        |       |        |       |        |       |        |       |        |       |        |       |        |      |
| 8200                 |       |        |       |        |       |        |       |        |       |        |       |        |       |        |       |        |      |
|                      |       |        |       |        |       |        |       |        |       |        |       |        |       |        |       |        |      |
| 10000                |       |        |       |        |       |        |       |        |       |        |       |        |       |        |       |        |      |

Ripple Current (A, rms) at 85°C 120Hz

φ D×L(mm)

| Cap(μF) | wv  | 100   |        |       |        |       |        |       |        |
|---------|-----|-------|--------|-------|--------|-------|--------|-------|--------|
|         |     | 22    |        | 25    |        | 30    |        | 35    |        |
|         |     | Size  | Ripple | Size  | Ripple | Size  | Ripple | Size  | Ripple |
| 680     | φ D | 22×26 | 1.75   |       |        |       |        |       |        |
|         |     | 22×36 | 2.15   | 25×31 | 2.10   |       |        |       |        |
|         |     | 22×46 | 2.65   | 25×36 | 2.70   |       |        |       |        |
| 820     | φ D | 22×31 | 1.85   | 25×26 | 1.80   | 30×21 | 1.90   |       |        |
|         |     | 22×41 | 2.40   |       |        | 30×26 | 2.35   | 35×22 | 2.45   |
|         |     | 22×51 | 3.00   | 25×41 | 3.00   |       |        | 35×27 | 2.85   |
| 1000    | φ D | 22×46 | 2.70   | 25×36 | 2.35   | 30×31 | 3.00   |       |        |
|         |     |       |        | 25×41 | 3.10   | 30×36 | 3.30   | 35×32 | 3.05   |
|         |     |       |        | 25×51 | 2.35   |       |        |       |        |
| 1200    | φ D | 22×41 | 2.20   | 25×31 | 2.75   | 30×26 | 2.20   | 35×22 | 2.30   |
|         |     | 22×51 | 3.00   |       |        | 30×31 | 3.05   | 35×27 | 2.90   |
|         |     |       |        |       |        | 30×41 | 3.60   | 35×37 | 3.30   |
| 1500    | φ D | 22×46 | 2.55   | 25×36 | 3.60   | 30×36 | 3.40   | 35×32 | 3.40   |
|         |     |       |        | 25×51 | 3.20   | 30×51 | 3.90   | 35×42 | 3.95   |
| 1800    | φ D | 22×51 | 2.85   | 25×41 | 2.85   | 30×31 | 2.90   | 35×27 | 2.75   |
|         |     |       |        |       |        | 30×41 | 3.70   | 35×37 | 3.40   |
|         |     |       |        |       |        |       |        | 35×47 | 4.15   |
| 2200    | φ D |       |        | 25×46 | 3.20   | 30×36 | 3.20   | 35×32 | 3.00   |
|         |     |       |        |       |        | 30×51 | 3.95   | 35×42 | 3.80   |
|         |     |       |        |       |        |       |        | 35×52 | 4.75   |
| 2700    | φ D |       |        |       |        | 30×41 | 3.55   | 35×37 | 3.25   |
|         |     |       |        |       |        |       |        | 35×47 | 4.30   |
| 3300    | φ D |       |        |       |        | 30×51 | 3.75   | 35×52 | 4.95   |
| 3900    | φ D |       |        |       |        |       |        | 35×42 | 4.30   |
| 4700    | φ D |       |        |       |        |       |        | 35×52 | 4.50   |

Ripple Current (A, rms) at 85°C 120Hz

For Audio Equipment