





◆ STANDARD SIZE, RATED RIPPLE CURRENT

| Cap<br>( $\mu$ F) | WV<br>$\phi$ D | 160         |             |             |             |             | 180         |             |             |             |             |
|-------------------|----------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|                   |                | $\phi$ 20   | $\phi$ 22   | $\phi$ 25   | $\phi$ 30   | $\phi$ 35   | $\phi$ 20   | $\phi$ 22   | $\phi$ 25   | $\phi$ 30   | $\phi$ 35   |
| 390               |                | 20×25; 1.19 |             |             |             |             | 20×25; 1.84 |             |             |             |             |
| 470               |                | 20×30; 1.76 | 22×25; 1.76 |             |             |             | 20×30; 2.08 | 22×25; 2.08 |             |             |             |
| 560               |                | 20×30; 2.25 | 22×25; 2.25 |             |             |             | 20×35; 2.25 | 22×30; 2.25 |             |             |             |
| 680               |                | 20×35; 2.50 | 22×30; 2.50 | 25×25; 2.50 |             |             | 20×40; 2.50 | 22×35; 2.50 | 25×25; 2.50 |             |             |
| 820               |                | 20×40; 2.75 | 22×35; 2.75 | 25×30; 2.75 |             |             | 20×45; 2.75 | 22×40; 2.75 | 25×30; 2.75 |             |             |
| 1000              |                |             | 22×40; 3.00 | 25×30; 3.00 | 30×25; 3.00 |             |             | 22×45; 3.00 | 25×35; 3.00 | 30×25; 3.00 |             |
| 1200              |                |             | 22×45; 3.25 | 25×35; 3.25 | 30×30; 3.25 |             |             | 22×50; 3.31 | 25×40; 3.31 | 30×30; 3.31 | 35×25; 3.31 |
| 1500              |                |             |             | 25×45; 3.73 | 30×35; 3.73 |             |             |             | 25×50; 3.83 | 30×35; 3.83 | 35×30; 3.83 |
| 1800              |                |             |             | 25×50; 4.20 | 30×35; 4.20 | 35×30; 4.20 |             |             |             | 30×40; 4.32 | 35×35; 4.32 |
| 2200              |                |             |             |             | 30×45; 4.78 | 35×35; 4.78 |             |             |             | 30×50; 4.92 | 35×40; 4.92 |
| 2700              |                |             |             |             | 30×50; 5.45 | 35×40; 5.45 |             |             |             |             | 35×45; 5.52 |
| 3300              |                |             |             |             |             | 35×45; 5.75 |             |             |             |             |             |

| Cap<br>( $\mu$ F) | WV<br>$\phi$ D | 200         |             |             |             |             | 220         |             |             |             |             |
|-------------------|----------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|                   |                | $\phi$ 20   | $\phi$ 22   | $\phi$ 25   | $\phi$ 30   | $\phi$ 35   | $\phi$ 20   | $\phi$ 22   | $\phi$ 25   | $\phi$ 30   | $\phi$ 35   |
| 270               |                |             |             |             |             |             | 20×25; 1.42 |             |             |             |             |
| 330               |                | 20×25; 1.44 |             |             |             |             | 20×30; 1.58 | 22×25; 1.58 |             |             |             |
| 390               |                | 20×30; 1.68 | 22×25; 1.68 |             |             |             | 20×35; 1.75 | 22×30; 1.75 |             |             |             |
| 470               |                | 20×35; 1.93 | 22×30; 1.93 | 25×25; 1.93 |             |             | 20×35; 1.99 | 22×30; 1.99 | 25×25; 1.99 |             |             |
| 560               |                | 20×35; 2.43 | 22×30; 2.43 | 25×25; 2.43 |             |             | 20×40; 2.28 | 22×35; 2.28 | 25×30; 2.28 |             |             |
| 680               |                | 20×40; 2.68 | 22×35; 2.68 | 25×30; 2.68 | 30×25; 2.68 |             |             | 22×40; 2.46 | 25×30; 2.46 | 30×25; 2.46 |             |
| 820               |                |             | 22×40; 2.93 | 25×30; 2.93 | 30×25; 2.93 |             |             | 22×45; 2.81 | 25×35; 2.81 | 30×30; 2.81 |             |
| 1000              |                |             | 22×45; 3.25 | 25×35; 3.25 | 30×30; 3.25 | 35×25; 3.25 |             |             | 25×45; 3.29 | 30×30; 3.29 |             |
| 1200              |                |             |             | 25×45; 3.50 | 30×35; 3.50 | 35×30; 3.50 |             |             | 25×50; 3.60 | 30×35; 3.60 | 35×30; 3.60 |
| 1500              |                |             |             | 25×50; 3.87 | 30×40; 3.87 | 35×30; 3.87 |             |             |             | 30×45; 3.92 | 35×35; 3.92 |
| 1800              |                |             |             |             | 30×45; 4.32 | 35×35; 4.32 |             |             |             | 30×50; 4.30 | 35×40; 4.30 |
| 2200              |                |             |             |             | 30×50; 4.92 | 35×40; 4.92 |             |             |             |             | 35×50; 4.95 |
| 2700              |                |             |             |             |             | 35×50; 5.45 |             |             |             |             |             |

| Cap<br>( $\mu$ F) | WV<br>$\phi$ D | 250         |             |             |             |             | 400         |             |             |             |             |
|-------------------|----------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|                   |                | $\phi$ 20   | $\phi$ 22   | $\phi$ 25   | $\phi$ 30   | $\phi$ 35   | $\phi$ 20   | $\phi$ 22   | $\phi$ 25   | $\phi$ 30   | $\phi$ 35   |
| 82                |                |             |             |             |             |             | 20×25; 0.80 |             |             |             |             |
| 100               |                |             |             |             |             |             | 20×30; 0.94 | 22×25; 0.94 |             |             |             |
| 120               |                |             |             |             |             |             | 20×30; 1.08 | 22×25; 1.08 |             |             |             |
| 150               |                |             |             |             |             |             | 20×35; 1.21 | 22×30; 1.21 | 25×25; 1.21 |             |             |
| 180               |                |             |             |             |             |             | 20×40; 1.45 | 22×35; 1.45 | 25×25; 1.45 |             |             |
| 220               |                | 20×25; 1.23 |             |             |             |             |             | 22×40; 1.58 | 25×30; 1.58 | 30×25; 1.58 |             |
| 270               |                | 20×30; 1.31 | 22×25; 1.31 |             |             |             |             | 22×45; 1.67 | 25×35; 1.67 | 30×25; 1.67 |             |
| 330               |                | 20×30; 1.75 | 22×25; 1.75 |             |             |             |             | 22×50; 1.90 | 25×40; 1.90 | 30×30; 1.90 | 35×25; 1.90 |
| 390               |                | 20×35; 1.91 | 22×30; 1.91 | 25×25; 1.91 |             |             |             |             | 25×45; 2.13 | 30×35; 2.13 | 35×30; 2.13 |
| 470               |                | 20×40; 2.11 | 22×35; 2.11 | 25×25; 2.11 |             |             |             |             | 25×50; 2.39 | 30×40; 2.39 | 35×30; 2.39 |
| 560               |                |             | 22×40; 2.25 | 25×30; 2.25 | 30×25; 2.25 |             |             |             |             | 30×45; 2.69 | 35×35; 2.69 |
| 680               |                |             | 22×45; 2.50 | 25×35; 2.50 | 30×30; 2.50 |             |             |             |             |             | 35×40; 2.96 |
| 820               |                |             |             | 25×40; 2.77 | 30×30; 2.77 | 35×25; 2.77 |             |             |             |             | 35×50; 3.25 |
| 1000              |                |             |             | 25×45; 3.32 | 30×35; 3.32 | 35×30; 3.32 |             |             |             |             |             |
| 1200              |                |             |             |             | 30×40; 3.84 | 35×35; 3.84 |             |             |             |             |             |
| 1500              |                |             |             |             | 30×50; 4.25 | 35×40; 4.25 |             |             |             |             |             |
| 1800              |                |             |             |             |             | 35×45; 4.55 |             |             |             |             |             |

| Cap<br>( $\mu$ F) | WV<br>$\phi$ D | 420         |             |             |             |             | 450         |             |             |             |             |
|-------------------|----------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|                   |                | $\phi$ 20   | $\phi$ 22   | $\phi$ 25   | $\phi$ 30   | $\phi$ 35   | $\phi$ 20   | $\phi$ 22   | $\phi$ 25   | $\phi$ 30   | $\phi$ 35   |
| 68                |                |             |             |             |             |             | 20×25; 0.66 |             |             |             |             |
| 82                |                | 20×25; 0.83 |             |             |             |             | 20×25; 0.83 |             |             |             |             |
| 100               |                | 20×30; 0.97 | 22×25; 0.97 |             |             |             | 20×30; 0.93 | 22×25; 0.93 |             |             |             |
| 120               |                | 20×30; 1.08 | 22×25; 1.08 |             |             |             | 20×35; 1.04 | 22×30; 1.04 | 25×25; 1.04 |             |             |
| 150               |                | 20×35; 1.30 | 22×30; 1.30 | 25×25; 1.30 |             |             | 20×40; 1.29 | 22×35; 1.29 | 25×25; 1.29 |             |             |
| 180               |                | 20×40; 1.48 | 22×35; 1.48 | 25×30; 1.48 |             |             |             | 22×40; 1.40 | 25×30; 1.40 | 30×25; 1.40 |             |
| 220               |                |             | 22×40; 1.65 | 25×35; 1.65 | 30×25; 1.65 |             |             | 22×45; 1.66 | 25×35; 1.66 | 30×25; 1.66 |             |
| 270               |                |             | 22×50; 1.94 | 25×35; 1.94 | 30×30; 1.94 |             |             | 22×50; 1.81 | 25×40; 1.81 | 30×30; 1.81 | 35×25; 1.81 |
| 330               |                |             |             | 25×45; 2.17 | 30×35; 2.17 | 35×30; 2.17 |             |             | 25×45; 2.10 | 30×35; 2.10 | 35×30; 2.10 |
| 390               |                |             |             | 25×50; 2.27 | 30×35; 2.27 | 35×30; 2.27 |             |             |             | 30×40; 2.32 | 35×35; 2.32 |
| 470               |                |             |             |             | 30×40; 2.61 | 35×35; 2.61 |             |             |             | 30×45; 2.66 | 35×40; 2.66 |
| 560               |                |             |             |             | 30×50; 2.82 | 35×40; 2.82 |             |             |             |             | 35×40; 2.82 |
| 680               |                |             |             |             |             | 35×45; 3.11 |             |             |             |             | 35×50; 3.00 |

↑ Ripple Current (A r.m.s./120Hz, 85°C)  
 ↓ Case Size  $\phi$  D×L(mm)