

PN (CD135)



- ⊙ High ripple current ,Size may be selected ,Load life of 2000 hours at 85°C. Used large power source converter circuit.etc.
- ⊙ Adapted to the ROHS directive (2002/95/EC).

Specifications

| Item | Performance Characteristics | |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| Operating temperature range | -40°C ~ +85°C | -25°C ~ +85°C |
| Rated voltage range | 10 ~ 250 V | 315 ~ 450 V |
| Capacitance tolerance | ±20% (120Hz, +20°C) | |
| Leakage current | $I \leq 0.02CV (\mu A) 5mA 5$ (at 20°C, after 5 minutes , Whichever is smaller) | |
| (tgδ) Dissipation factor (+20°C, 120Hz) | Less than the value specified in the standard products tables | |
| Load life | After applying rated voltage for 2000 hours at +85°C and then resumed 16 hours: Capacitance change : ±20% Initial measured value Leakage current : ≤ Initial specified value Dissipation factor : ≤ 2 times Initial specified value | |
| Shelf life | After storage for 1000 hours at +85°C, U_R to be applied for 30 minutes and then resumed 16 hours Capacitance change : ±20% Initial measured value Leakage current : ≤ Initial specified value Dissipation factor : ≤ 2times Initial specified value | |

Case size table

| φD | 35 | 51 | 63.5 | 76 | 89 |
|----|------|----|------|----|----|
| F | 12.7 | 22 | 28.6 | 32 | 32 |

MULTIPLIER FOR RIPPLE CURRENT

Frequency coefficient

| Frequency (Hz) Rated Voltage (V) | Frequency (Hz) | | | | | | | |
|-------------------------------------|----------------|----------|------|------|------|------|------|------|
| | 50 | 100(120) | 300 | 1k | 3k | 5K | 10K | 20K |
| 10~50 | 0.95 | 1.00 | 1.04 | 1.10 | 1.12 | 1.13 | 1.15 | 1.15 |
| 63~100 | 0.95 | 1.00 | 1.06 | 1.16 | 1.20 | 1.25 | 1.30 | 1.36 |
| 160~200 | 0.90 | 1.00 | 1.10 | 1.20 | 1.35 | 1.40 | 1.50 | 1.55 |
| 250~450 | 0.80 | 1.00 | 1.10 | 1.20 | 1.35 | 1.40 | 1.50 | 1.55 |

Temperature coefficient

| Rated Voltage(V) | Temperature(°C) | | | |
|------------------|-----------------|-----|-----|-----|
| | +40 | +55 | +70 | +85 |
| 10~100 | 2.1 | 1.8 | 1.5 | 1.0 |
| 160~450 | 2.6 | 2.2 | 1.7 | 1.0 |

■ Dimensions

| Rated Voltage (V.D.C) | Surge Voltage (V.D.C) | Rated Capacitance (μ F) | Dissipation Factor MAX | Ripple Current 85°C 120Hz | Outline Size | |
|--------------------------|--------------------------|---------------------------------|---------------------------|------------------------------|--------------|----------------|
| | | | | | Code | ϕ D×L(mm) |
| 10 | 13 | 33000 | 0.80 | 4.3 | A5 | 35×50 |
| | | 39000 | 0.80 | 4.7 | A5 | 35×50 |
| | | 47000 | 0.80 | 5.2 | A6 | 35×65 |
| | | 56000 | 0.80 | 6.1 | A8 | 35×80 |
| | | 68000 | 0.80 | 6.7 | A8 | 35×80 |
| | | 82000 | 0.80 | 7.7 | A10 | 35×100 |
| | | 100000 | 0.80 | 8.8 | A10 | 35×100 |
| | | 120000 | 0.80 | 10.0 | A12 | 35×120 |
| | | 150000 | 1.00 | 10.8 | A12 | 35×120 |
| | | 180000 | 1.00 | 12.0 | C10R | 51×95 |
| | | 220000 | 1.50 | 11.2 | C12 | 51×120 |
| | | 270000 | 1.50 | 12.8 | C12 | 51×120 |
| | | 330000 | 1.50 | 15.3 | D10R | 63.5×95 |
| | | 390000 | 1.50 | 17.3 | D12R | 63.5×115 |
| | | 470000 | 2.00 | 16.7 | D13R | 63.5×130 |
| | | 560000 | 2.00 | 19.0 | E12R | 76×115 |
| 680000 | 2.00 | 21.7 | E13R | 76×130 | | |
| 820000 | 2.00 | 24.7 | E16R | 76×155 | | |
| 16 | 20 | 22000 | 0.60 | 4.1 | A5 | 35×50 |
| | | 27000 | 0.60 | 4.5 | A5 | 35×50 |
| | | 33000 | 0.60 | 5.0 | A5 | 35×50 |
| | | 39000 | 0.60 | 5.9 | A6 | 35×65 |
| | | 47000 | 0.60 | 6.4 | A8 | 35×80 |
| | | 56000 | 0.60 | 7.3 | A8 | 35×80 |
| | | 68000 | 0.60 | 8.4 | A10 | 35×100 |
| | | 82000 | 0.80 | 8.3 | A10 | 35×100 |
| | | 100000 | 0.80 | 9.5 | A12 | 35×120 |
| | | 120000 | 0.80 | 10.9 | A12 | 35×120 |
| | | 150000 | 1.00 | 11.3 | C10R | 51×95 |
| | | 180000 | 1.00 | 12.8 | C12R | 51×115 |
| | | 220000 | 1.00 | 15.3 | C13R | 51×130 |
| | | 270000 | 1.00 | 17.6 | D10R | 63.5×95 |
| | | 330000 | 1.50 | 16.8 | D12R | 63.5×115 |
| | | 390000 | 1.50 | 18.3 | D13R | 63.5×130 |
| 470000 | 1.50 | 21.3 | E12R | 76×120 | | |
| 560000 | 1.50 | 23.6 | E13R | 76×130 | | |
| 680000 | 1.50 | 27.6 | E16R | 76×155 | | |
| 820000 | 2.00 | 27.1 | F16R | 89×155 | | |
| 25 | 32 | 15000 | 0.50 | 3.7 | A5 | 35×50 |
| | | 18000 | 0.50 | 4.1 | A5 | 35×50 |
| | | 22000 | 0.50 | 4.5 | A5 | 35×50 |
| | | 27000 | 0.50 | 5.0 | A6 | 35×65 |
| | | 33000 | 0.50 | 5.9 | A8 | 35×80 |
| | | 39000 | 0.50 | 6.7 | A8 | 35×80 |
| | | 47000 | 0.50 | 7.7 | A10 | 35×100 |
| | | 56000 | 0.60 | 7.9 | A10 | 35×100 |
| | | 68000 | 0.60 | 9.1 | A12 | 35×120 |
| | | 82000 | 0.60 | 10.4 | A12 | 35×120 |
| | | 100000 | 0.80 | 10.3 | C10R | 51×95 |
| | | 120000 | 0.80 | 11.7 | C12R | 51×115 |

■ Dimensions

| Rated Voltage (V.D.C) | Surge Voltage (V.D.C) | Rated Capacitance (μ F) | Dissipation Factor MAX | Ripple Current 85°C 120Hz | Outline Size | |
|--------------------------|--------------------------|---------------------------------|---------------------------|------------------------------|--------------|----------------|
| | | | | | Code | ϕ D×L(mm) |
| 25 | 32 | 150000 | 0.80 | 14.1 | C13R | 51×130 |
| | | 180000 | 0.80 | 15.7 | D10R | 63.5×95 |
| | | 220000 | 1.00 | 16.1 | D12R | 63.5×115 |
| | | 270000 | 1.00 | 18.6 | D13R | 63.5×130 |
| | | 330000 | 1.00 | 21.9 | D16R | 63.5×155 |
| | | 390000 | 1.20 | 22.0 | E12R | 76×120 |
| | | 470000 | 1.20 | 25.6 | E13R | 76×155 |
| | | 560000 | 1.20 | 27.9 | E16R | 89×130 |
| | | 680000 | 1.20 | 32.5 | F16R | 89×155 |
| 35 | 44 | 10000 | 0.40 | 3.4 | A5 | 35×50 |
| | | 12000 | 0.40 | 3.7 | A5 | 35×50 |
| | | 15000 | 0.40 | 4.2 | A6 | 35×65 |
| | | 18000 | 0.40 | 4.9 | A8 | 35×80 |
| | | 22000 | 0.40 | 5.7 | A8 | 35×80 |
| | | 27000 | 0.40 | 6.3 | A10 | 35×100 |
| | | 33000 | 0.40 | 7.2 | A10 | 35×100 |
| | | 39000 | 0.50 | 7.3 | A12 | 35×120 |
| | | 47000 | 0.50 | 8.7 | C10R | 35×120 |
| | | 56000 | 0.60 | 8.6 | C10R | 51×95 |
| | | 68000 | 0.60 | 9.8 | C12R | 51×95 |
| | | 82000 | 0.60 | 11.6 | D10R | 51×115 |
| | | 100000 | 0.60 | 13.3 | D12R | 63.5×95 |
| | | 120000 | 0.60 | 14.8 | D12 | 63.5×115 |
| | | 150000 | 0.80 | 14.9 | D13R | 63.5×120 |
| | | 180000 | 0.80 | 17.0 | E12R | 63.5×130 |
| | | 220000 | 0.80 | 20.0 | E13R | 76×115 |
| | | 270000 | 1.00 | 20.3 | E16R | 76×130 |
| | | 330000 | 1.00 | 23.5 | F13R | 76×155 |
| | | 390000 | 1.00 | 26.4 | F16R | 89×130 |
| 470000 | 1.00 | 29.6 | F16R | 89×155 | | |
| 50 | 63 | 5600 | 0.30 | 3.0 | A5 | 35×50 |
| | | 6800 | 0.30 | 3.3 | A5 | 35×50 |
| | | 8200 | 0.30 | 3.6 | A5 | 35×50 |
| | | 10000 | 0.30 | 4.0 | A6 | 35×65 |
| | | 12000 | 0.30 | 4.7 | A8 | 35×80 |
| | | 15000 | 0.30 | 5.5 | A8 | 35×80 |
| | | 18000 | 0.30 | 6.2 | A10 | 35×100 |
| | | 22000 | 0.40 | 6.3 | A12 | 35×120 |
| | | 27000 | 0.40 | 7.1 | A12 | 35×120 |
| | | 33000 | 0.40 | 8.2 | C10R | 51×95 |
| | | 39000 | 0.50 | 8.1 | C10R | 51×95 |
| | | 47000 | 0.50 | 9.3 | C12R | 51×115 |
| | | 56000 | 0.50 | 10.5 | D10R | 63.5×95 |
| | | 68000 | 0.50 | 12.0 | D10R | 63.5×95 |
| | | 82000 | 0.50 | 13.7 | D12R | 63.5×115 |
| | | 100000 | 0.60 | 14.7 | E12R | 76×115 |
| | | 120000 | 0.60 | 16.7 | E12 | 76×120 |
| | | 150000 | 0.60 | 19.3 | E13R | 76×130 |
| | | 180000 | 0.60 | 21.9 | E16R | 76×155 |
| | | 220000 | 0.60 | 21.4 | F13R | 89×130 |

■ Dimensions

| Rated Voltage (V.D.C) | Surge Voltage (V.D.C) | Rated Capacitance (μF) | Dissipation Factor MAX | Ripple Current 85°C 120Hz | Outline Size | |
|--------------------------|--------------------------|----------------------------------|---------------------------|------------------------------|--------------|----------------|
| | | | | | Code | ϕ DxL(mm) |
| 50 | 63 | 270000 | 0.60 | 24.6 | F16R | 89x155 |
| 63 | 72 | 3900 | 0.25 | 2.7 | A5 | 35x50 |
| | | 4700 | 0.25 | 3.0 | A5 | 35x50 |
| | | 5600 | 0.25 | 3.3 | A5 | 35x50 |
| | | 6800 | 0.25 | 3.6 | A6 | 35x65 |
| | | 8200 | 0.25 | 4.3 | A8 | 35x80 |
| | | 10000 | 0.25 | 4.9 | A8 | 35x80 |
| | | 12000 | 0.25 | 5.6 | A10 | 35x100 |
| | | 15000 | 0.30 | 5.9 | A10 | 35x100 |
| | | 18000 | 0.30 | 6.7 | A12 | 35x120 |
| | | 22000 | 0.30 | 7.8 | A12 | 35x120 |
| | | 27000 | 0.40 | 7.4 | C10R | 51x95 |
| | | 33000 | 0.40 | 8.4 | C10R | 51x95 |
| | | 39000 | 0.40 | 9.5 | C12R | 51x115 |
| | | 47000 | 0.40 | 11.3 | C13R | 51x130 |
| | | 56000 | 0.40 | 12.8 | D12R | 63.5x115 |
| | | 68000 | 0.50 | 12.7 | D12 | 63.5x120 |
| | | 82000 | 0.50 | 14.5 | D13R | 63.5x130 |
| | | 100000 | 0.50 | 16.7 | E12R | 76x115 |
| | | 120000 | 0.50 | 18.9 | E13R | 76x130 |
| | | 150000 | 0.50 | 22.4 | E16R | 76x155 |
| 180000 | 0.60 | 22.4 | F13R | 89x130 | | |
| 220000 | 0.60 | 26.2 | F16R | 89x155 | | |
| 80 | 100 | 3300 | 0.25 | 2.5 | A5 | 35x50 |
| | | 3900 | 0.25 | 2.8 | A5 | 35x50 |
| | | 4700 | 0.25 | 3.0 | A6 | 35x65 |
| | | 5600 | 0.25 | 3.6 | A8 | 35x80 |
| | | 6800 | 0.25 | 3.9 | A8 | 35x80 |
| | | 8200 | 0.25 | 4.5 | A8 | 35x80 |
| | | 10000 | 0.25 | 5.2 | A10 | 35x100 |
| | | 12000 | 0.25 | 5.9 | A10 | 35x100 |
| | | 15000 | 0.25 | 6.8 | A12 | 35x120 |
| | | 18000 | 0.25 | 7.8 | A12 | 35x120 |
| | | 22000 | 0.30 | 8.0 | C10R | 51x95 |
| | | 27000 | 0.30 | 9.2 | C10R | 51x95 |
| | | 33000 | 0.30 | 10.5 | C12R | 51x115 |
| | | 39000 | 0.30 | 12.0 | C13R | 51x130 |
| | | 47000 | 0.30 | 13.6 | D12R | 63.5x115 |
| | | 56000 | 0.40 | 13.4 | D13R | 63.5x130 |
| | | 68000 | 0.40 | 15.4 | E12R | 76x115 |
| | | 82000 | 0.40 | 17.5 | E13R | 76x130 |
| | | 100000 | 0.40 | 20.5 | E16R | 76x155 |
| | | 120000 | 0.40 | 22.7 | F13R | 89x130 |
| 150000 | 0.40 | 26.5 | F16R | 89x155 | | |
| 100 | 125 | 1800 | 0.25 | 1.9 | A5 | 35x50 |
| | | 2200 | 0.25 | 2.1 | A5 | 35x50 |
| | | 2700 | 0.25 | 2.3 | A5 | 35x50 |
| | | 3300 | 0.25 | 2.6 | A6 | 35x65 |
| | | 3900 | 0.25 | 3.0 | A8 | 35x80 |
| | | 4700 | 0.25 | 3.5 | A8 | 35x80 |

■ Dimensions

| Rated Voltage (V.D.C) | Surge Voltage (V.D.C) | Rated Capacitance (μ F) | Dissipation Factor MAX | Ripple Current 85°C 120Hz | Outline Size | |
|--------------------------|--------------------------|---------------------------------|---------------------------|------------------------------|--------------|----------------|
| | | | | | Code | ϕ DxL(mm) |
| 100 | 125 | 5600 | 0.25 | 3.9 | A10 | 35x100 |
| | | 6800 | 0.25 | 4.5 | A10 | 35x100 |
| | | 8200 | 0.25 | 5.1 | A12 | 35x120 |
| | | 10000 | 0.25 | 5.9 | A12 | 35x120 |
| | | 12000 | 0.25 | 6.4 | C8R | 51x75 |
| | | 15000 | 0.25 | 7.0 | C10R | 51x95 |
| | | 18000 | 0.25 | 8.3 | C12R | 51x115 |
| | | 22000 | 0.25 | 10.0 | C13R | 51x130 |
| | | 27000 | 0.25 | 11.5 | D12R | 63.5x115 |
| | | 33000 | 0.25 | 11.9 | D13R | 63.5x130 |
| | | 39000 | 0.25 | 13.4 | E12R | 76x115 |
| | | 47000 | 0.35 | 14.2 | E13R | 76x130 |
| | | 56000 | 0.35 | 16.0 | E16R | 76x155 |
| | | 68000 | 0.35 | 18.8 | F13R | 89x130 |
| | | 82000 | 0.35 | 20.5 | F16R | 89x155 |
| 100000 | 0.35 | 24.0 | F17R | 89x171 | | |
| 160 | 200 | 3300 | 0.25 | 5.18 | A12 | 35x120 |
| | | 3900 | 0.25 | 5.33 | C8R | 51x75 |
| | | 4700 | 0.25 | 5.85 | C8R | 51x75 |
| | | 5600 | 0.25 | 7.03 | C10R | 51x95 |
| | | 6800 | 0.25 | 7.77 | C10R | 51x95 |
| | | 8200 | 0.25 | 9.14 | C12R | 51x115 |
| | | 10000 | 0.25 | 10.36 | D10R | 63.5x95 |
| | | 12000 | 0.25 | 11.32 | D10R | 63.5x95 |
| | | 15000 | 0.25 | 14.28 | D13R | 63.5x130 |
| | | 18000 | 0.25 | 15.61 | D13R | 63.5x130 |
| | | 22000 | 0.25 | 18.28 | E13R | 76x130 |
| | | 27000 | 0.25 | 20.24 | E13R | 76x130 |
| | | 33000 | 0.25 | 23.75 | F13R | 89x130 |
| | | 39000 | 0.25 | 27.86 | F16R | 89x155 |
| | | 200 | 250 | 2200 | 0.25 | 3.92 |
| 2700 | 0.25 | | | 4.70 | A12 | 35x120 |
| 3300 | 0.25 | | | 4.92 | C8R | 51x75 |
| 3900 | 0.25 | | | 5.33 | C8R | 51x75 |
| 4700 | 0.25 | | | 6.44 | C10R | 51x95 |
| 5600 | 0.25 | | | 7.55 | C12R | 51x115 |
| 6800 | 0.25 | | | 8.77 | C13R | 51x130 |
| 8200 | 0.25 | | | 9.40 | D10R | 63.5x95 |
| 10000 | 0.25 | | | 10.36 | D10R | 63.5x95 |
| 12000 | 0.25 | | | 12.06 | E10R | 76x95 |
| 15000 | 0.25 | | | 14.43 | E10R | 76x95 |
| 18000 | 0.25 | | | 16.50 | E13R | 76x130 |
| 22000 | 0.25 | | | 19.61 | E16R | 76x155 |
| 27000 | 0.25 | | | 21.51 | F13R | 89x130 |
| 33000 | 0.25 | | | 25.53 | F16R | 89x155 |
| 250 | 300 | 1500 | 0.25 | 3.22 | A10 | 35x100 |
| | | 1800 | 0.25 | 3.52 | A10 | 35x100 |
| | | 2200 | 0.25 | 4.00 | C8R | 51x75 |
| | | 2700 | 0.25 | 4.44 | C8R | 51x75 |
| | | 3300 | 0.25 | 5.40 | C10R | 51x95 |

■ Dimensions

| Rated Voltage (V.D.C) | Surge Voltage (V.D.C) | Rated Capacitance (μ F) | Dissipation Factor MAX | Ripple Current 85°C 120Hz | Outline Size | |
|--------------------------|--------------------------|---------------------------------|---------------------------|------------------------------|--------------|----------------|
| | | | | | Code | ϕ D×L(mm) |
| 250 | 300 | 3900 | 0.25 | 6.29 | C12R | 51×115 |
| | | 4700 | 0.25 | 7.10 | D10R | 63.5×95 |
| | | 5600 | 0.25 | 7.77 | D10R | 63.5×95 |
| | | 6800 | 0.25 | 9.14 | D12R | 63.5×115 |
| | | 8200 | 0.25 | 10.03 | D12R | 63.5×115 |
| | | 10000 | 0.25 | 11.66 | D13R | 63.5×130 |
| | | 12000 | 0.25 | 12.88 | E12R | 76×115 |
| | | 15000 | 0.25 | 15.10 | E13R | 76×130 |
| | | 18000 | 0.25 | 17.69 | E16R | 76×155 |
| | | 22000 | 0.25 | 20.91 | F16R | 89×155 |
| 350 | 400 | 390 | 0.20 | 1.67 | A5 | 35×50 |
| | | 470 | 0.20 | 2.15 | A8 | 35×80 |
| | | 560 | 0.20 | 2.37 | A8 | 35×80 |
| | | 680 | 0.20 | 2.59 | A8 | 35×80 |
| | | 820 | 0.20 | 3.07 | A10 | 35×100 |
| | | 1000 | 0.20 | 3.41 | A10 | 35×100 |
| | | 1200 | 0.20 | 3.81 | C8R | 51×75 |
| | | 1500 | 0.20 | 4.26 | C8R | 51×75 |
| | | 1800 | 0.20 | 5.14 | C10R | 51×95 |
| | | 2200 | 0.20 | 5.70 | C10R | 51×95 |
| | | 2700 | 0.20 | 7.14 | C13R | 51×130 |
| | | 3300 | 0.20 | 7.92 | C13R | 51×130 |
| | | 3900 | 0.20 | 9.00 | D12R | 63.5×115 |
| | | 4700 | 0.20 | 10.33 | D13R | 63.5×130 |
| | | 5600 | 0.20 | 11.36 | E12R | 76×115 |
| | | 6800 | 0.20 | 13.10 | E13R | 76×130 |
| | | 8200 | 0.20 | 15.43 | F16R | 76×155 |
| | | 10000 | 0.20 | 18.13 | F16R | 89×155 |
| 12000 | 0.20 | 20.02 | F16R | 89×155 | | |
| 15000 | 0.20 | 24.50 | F20R | 89×195 | | |
| 18000 | 0.20 | 28.83 | F24R | 89×235 | | |
| 400 | 450 | 330 | 0.20 | 1.52 | A5 | 35×50 |
| | | 390 | 0.20 | 1.96 | A8 | 35×80 |
| | | 470 | 0.20 | 2.15 | A8 | 35×80 |
| | | 560 | 0.20 | 2.37 | A8 | 35×80 |
| | | 680 | 0.20 | 1.82 | A10 | 35×100 |
| | | 820 | 0.20 | 3.07 | A10 | 35×100 |
| | | 1000 | 0.20 | 3.48 | C8R | 51×75 |
| | | 1200 | 0.20 | 3.82 | C8R | 51×75 |
| | | 1500 | 0.20 | 4.70 | C10R | 51×95 |
| | | 1800 | 0.20 | 5.15 | C10R | 51×95 |
| | | 2200 | 0.20 | 6.44 | C13R | 51×130 |
| | | 2700 | 0.20 | 6.96 | D10R | 51×130 |
| | | 3300 | 0.20 | 8.22 | D12R | 63.5×95 |
| | | 3900 | 0.20 | 9.40 | D13R | 63.5×115 |
| | | 4700 | 0.20 | 10.44 | E12R | 63.5×130 |
| | | 5600 | 0.20 | 11.92 | E13R | 76×115 |
| | | 6800 | 0.20 | 14.06 | E16R | 76×155 |
| | | 8200 | 0.20 | 16.43 | F16R | 89×155 |
| 10000 | 0.20 | 18.28 | F16R | 89×155 | | |

■ *Dimensions*

| Rated Voltage (V.D.C) | Surge Voltage (V.D.C) | Rated Capacitance (μF) | Dissipation Factor MAX | Ripple Current 85°C 120Hz | Outline Size | |
|--------------------------|--------------------------|----------------------------------|---------------------------|------------------------------|--------------|----------------|
| | | | | | Code | ϕ DxL(mm) |
| 400 | 450 | 12000 | 0.20 | 21.84 | F20R | 89x195 |
| | | 15000 | 0.20 | 26.31 | F24R | 89x235 |
| 450 | 500 | 270 | 0.20 | 1.37 | A5 | 35x50 |
| | | 330 | 0.20 | 1.82 | A8 | 35x80 |
| | | 390 | 0.20 | 1.96 | A8 | 35x80 |
| | | 470 | 0.20 | 2.15 | A8 | 35x80 |
| | | 560 | 0.20 | 2.55 | A10 | 35x100 |
| | | 680 | 0.20 | 2.81 | A10 | 35x100 |
| | | 820 | 0.20 | 3.18 | C8R | 51x75 |
| | | 1000 | 0.20 | 3.48 | C8R | 51x75 |
| | | 1200 | 0.20 | 4.22 | C10R | 51x95 |
| | | 1500 | 0.20 | 5.07 | C12R | 51x115 |
| | | 1800 | 0.20 | 5.85 | C13R | 51x130 |
| | | 2200 | 0.20 | 6.29 | D10R | 63.5x95 |
| | | 2700 | 0.20 | 7.48 | D12R | 63.5x115 |
| | | 3300 | 0.20 | 8.66 | D13R | 63.5x130 |
| | | 3900 | 0.20 | 9.47 | E12R | 76x115 |
| | | 4700 | 0.20 | 10.88 | E13R | 76x130 |
| | | 5600 | 0.20 | 12.80 | E16R | 76x155 |
| | | 6800 | 0.20 | 15.00 | F16R | 89x155 |
| | | 8200 | 0.20 | 16.50 | F16R | 89x155 |
| | | 10000 | 0.20 | 20.00 | F20R | 89x195 |
| 12000 | 0.20 | 23.61 | F24R | 89x235 | | |

└── Rated ripple current(A,+85°C,120Hz)