

FVC Series

125°C·135°C

High Capacitance

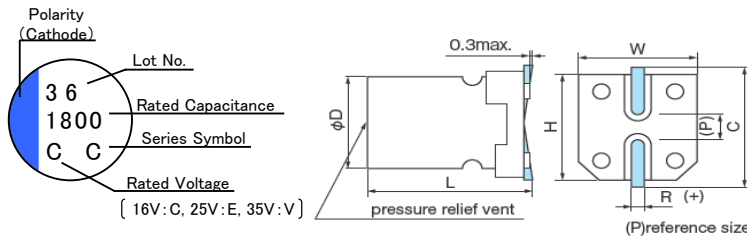
- 125°C: 4,000hours, 135°C: 4,000hours
- Solvent proof (within 2 minutes)
- AEC-Q200



Specifications

| Items | Condition | Specifications | | |
|---------------------------------|--|----------------|---------------------------------------|------|
| Rated voltage (V) | — | 16 | 25 | 35 |
| Surge voltage (V) | Room temperature | 20 | 32 | 44 |
| Category temperature range (°C) | — | -55 to +135 | | |
| Capacitance tolerance (%) | 120Hz/20°C | M: ±20 | | |
| Dissipation Factor (tan δ) | tan δ (max.) 120Hz/20°C | 0.16 | 0.14 | 0.12 |
| Leakage current (LC) | μA/after 2 minutes (max.), 20°C | 0.01CV | | |
| Endurance | 125°C, 135°C rated voltage applied (With the rated ripple current) | Test | 4,000hours | |
| | | ΔC/C | Within ±30% of the initial value | |
| | | tan δ | Less than 200% of the specified value | |
| | | ESR | Less than 200% of the specified value | |
| | | LC | Less than the specified value | |

Marking, Dimensions



(Unit: mm)

| D ±0.5 | L ±0.3 | W ±0.2 | H ±0.2 | C ±0.2 | R | P |
|--------|--------|--------|--------|--------|------------|-----|
| 8 | 10.5 | 8.3 | 8.3 | 9.0 | 0.7 to 1.0 | 3.2 |
| 10 | 10.5 | 10.3 | 10.3 | 11.0 | 1.0 to 1.4 | 4.6 |
| 10 | 12.5 | 10.3 | 10.3 | 11.0 | 1.0 to 1.4 | 4.6 |
| 10 | 13.8 | 10.3 | 10.3 | 11.0 | 1.0 to 1.4 | 4.6 |
| 10 | 16.5 | 10.3 | 10.3 | 11.0 | 1.0 to 1.4 | 4.6 |

Size, ESR, Rated Ripple Current

| μF | Items | 16 | | | | 25 | | | |
|------|-------|--------------------------|--------------------------------|--------------------------------------|-------------|--------------------------|--------------------------------|--------------------------------------|-------|
| | | Case size φD × L (mm) | ESR (mΩ max.) (20°C/100kHz) | Rated ripple current (mA rms/100kHz) | | Case size φD × L (mm) | ESR (mΩ max.) (20°C/100kHz) | Rated ripple current (mA rms/100kHz) | |
| | | | | 125°C | 135°C | | | 125°C | 135°C |
| 330 | | | | | 8 × 10.5 | 27 | 3100 | 1500 | |
| 390 | | | | | 8 × 10.5 | 27 | 3100 | 1500 | |
| 560 | | 8 × 10.5 | 27 | 3100 | 1500 | 10 × 10.5 | 20 | 3600 | 1750 |
| 680 | | | | | 10 × 10.5 ★ | 20 | 3600 | 1750 | |
| | | | | | 10 × 12.5 | 16 | 4100 | 1950 | |
| 820 | | | | | 10 × 12.5 ★ | 16 | 4100 | 1950 | |
| | | | | | 10 × 13.8 | 15 | 4300 | 2050 | |
| 1000 | | | | | 10 × 13.8 ★ | 15 | 4300 | 2050 | |
| | | 10 × 10.5 | 20 | 3600 | 1750 | 10 × 16.5 | 11 | 5200 | 2500 |
| 1200 | | 10 × 12.5 | 16 | 4100 | 1950 | 10 × 16.5 | 11 | 5200 | 2500 |
| 1500 | | 10 × 13.8 | 15 | 4300 | 2050 | | | | |
| 1800 | | 10 × 16.5 | 11 | 5200 | 2500 | | | | |

★ S type

| μF | Items | 35 | | | |
|-----|-------|--------------------------|--------------------------------|--------------------------------------|-------|
| | | Case size φD × L (mm) | ESR (mΩ max.) (20°C/100kHz) | Rated ripple current (mA rms/100kHz) | |
| | | | | 125°C | 135°C |
| 220 | | 8 × 10.5 | 27 | 3100 | 1500 |
| 390 | | 10 × 10.5 | 20 | 3600 | 1750 |
| 470 | | 10 × 12.5 | 16 | 4100 | 1950 |
| 560 | | 10 × 13.8 | 15 | 4300 | 2050 |
| 680 | | 10 × 16.5 | 11 | 5200 | 2500 |

Part number

