

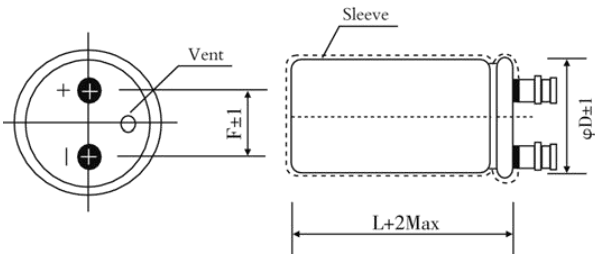
Features

- ◎ 2000h at +105℃, 螺栓型 Screw Terminal Type
- ◎ 大容量, 高纹波电流 Large capacitance, high ripple current.
- ◎ 适用于变频器, 开关电源等 Used in inverters and power supplies etc.

Specifications

| Item | Characteristics | |
|---------------------------------------|---|--|
| 使用温度范围 Operating Temperature Range(℃) | -40 ~ +105 | -25 ~ +105 |
| 额定电压 Rated Voltage (V) | 25 ~ 100 | 160 ~ 500 |
| 标称容量 Nominal capacitance (μF) | 1,000 ~ 680,000 | |
| 容量偏差 Capacitance Tolerance(20℃,120Hz) | ±20% | |
| 漏电流 Leakage current (μA) | $I \leq 0.01CV$ or 5mA, which is smaller. (at 20℃ ,after 5 minutes) | |
| 损耗角正切值 Dissipation Factor(20℃,120Hz) | Less than values shown in the standard ratings | |
| 耐久性 Load Life(+105℃) | 时间 time | 2000 小时 2000 hours |
| | 容量变化率 Capacitance change | ±20%初始测量值以内 Within±20% of the initial value |
| | 漏电流 Leakage current | ≤初始规定值 Not more than the Initial specified value |
| | 损耗角正切值 Dissipation factor | ≤200%初始规定值 Not more than 200% of the Initial specified value |
| 高温贮存 Shelf Life(+105℃) | 时间 time | 500 小时 500 hours |
| | 容量变化率 Capacitance change | ±20%初始测量值以内 Within±20% of the initial value |
| | 漏电流 Leakage current | ≤初始规定值 Not more than the Initial specified value |
| | 损耗角正切值 Dissipation factor | ≤200%初始规定值 Not more than 200% of the Initial specified value |
| | 试验后: 施加标称电压 30 分钟, 于 24 至 48 小时之间测试。 After test: UR to be applied for 30 minutes, 24 to 48 hours before measurement. | |

Dimensions mm



| | | | | | | |
|---|------|----|------|------|------|------|
| D | 36 | 51 | 65 | 77 | 90 | 101 |
| F | 12.7 | 22 | 28.2 | 31.4 | 31.4 | 41.5 |

Frequency Coefficient

| Frequency(Hz) | 50,60 | 120 | 300 | 1k | ≥10k |
|---------------|-------|------|------|------|------|
| Voltage | | | | | |
| 25 ~ 100 | 0.95 | 1.00 | 1.04 | 1.10 | 1.15 |
| 160 ~ 250 | 0.90 | 1.00 | 1.08 | 1.15 | 1.20 |
| 350 ~ 500 | 0.80 | 1.00 | 1.18 | 1.35 | 1.40 |

Temperature Coefficient

| Temperature(℃) | | 40 | 55 | 70 | 85 | 105 |
|----------------|----------|------|------|------|------|------|
| Coefficient | 25~100V | 4.90 | 3.90 | 3.00 | 1.80 | 1.00 |
| | 160~250V | 3.80 | 3.30 | 2.50 | 2.00 | 1.00 |
| | 350~500V | 2.40 | 2.30 | 2.10 | 2.00 | 1.00 |

Standard Ratings

| WV (SV) | Cap. | tanδ | Typ ESR | Ripple Current | Size φDxL |
|------------|--------|------------|------------|-------------------|--------------|
| | | 20°C 120Hz | | 105°C 120Hz | |
| V | μF | - | mΩ | Arms | mm |
| 25(30) | 82000 | 0.60 | 6 | 10.8 | 51x80 |
| | 100000 | 0.60 | 5 | 11.3 | 51x100 |
| | 120000 | 0.80 | 4 | 11.9 | 51x120 |
| | 150000 | 0.80 | 4 | 12.9 | 65x100 |
| | 220000 | 1.00 | 3 | 14.8 | 65x120 |
| | 330000 | 1.00 | 2 | 19.9 | 77x120 |
| | 470000 | 1.20 | 1 | 20.3 | 77x145 |
| | 560000 | 1.5 | 1 | 21.5 | 77x185 |
| | 680000 | 1.8 | 1 | 22.6 | 90x155 |
| 35(44) | 33000 | 0.40 | 7 | 6.7 | 36x80 |
| | 47000 | 0.45 | 6 | 8.1 | 51x80 |
| | 68000 | 0.50 | 5 | 10 | 51x80 |
| | 82000 | 0.55 | 5 | 11.5 | 51x100 |
| | 100000 | 0.60 | 4 | 12.1 | 51x100 |
| | 150000 | 0.70 | 3 | 13.8 | 65x120 |
| | 220000 | 0.70 | 2 | 17.6 | 77x120 |
| | 330000 | 0.80 | 2 | 18.9 | 77x145 |
| | 470000 | 0.85 | 1 | 19.8 | 90x145 |
| 50(63) | 10000 | 0.25 | 22 | 4.1 | 36x50 |
| | 15000 | 0.30 | 14 | 4.9 | 36x80 |
| | 22000 | 0.35 | 10 | 5.9 | 51x80 |
| | 33000 | 0.40 | 7 | 7.8 | 51x80 |
| | 47000 | 0.40 | 6 | 9.5 | 51x100 |
| | 68000 | 0.45 | 5 | 11.6 | 65x100 |
| | 100000 | 0.50 | 4 | 14.1 | 77x120 |
| | 150000 | 0.50 | 3 | 18.9 | 77x145 |
| | 220000 | 0.55 | 2 | 19.8 | 77x145 |
| | 330000 | 0.55 | 1 | 20.6 | 90x145 |
| 63(79) | 470000 | 0.60 | 1 | 21.9 | 90x185 |
| | 10000 | 0.25 | 20 | 4.4 | 36x80 |
| | 15000 | 0.25 | 14 | 5.7 | 51x80 |
| | 22000 | 0.30 | 10 | 6.8 | 51x80 |
| | 33000 | 0.30 | 7 | 9.2 | 51x100 |
| | 47000 | 0.35 | 6 | 10.9 | 51x100 |
| | 56000 | 0.35 | 6 | 12.1 | 51x120 |
| | 68000 | 0.40 | 5 | 13 | 65x100 |
| | 82000 | 0.40 | 4 | 15.9 | 65x120 |
| | 100000 | 0.40 | 4 | 17.2 | 77x145 |
| | 120000 | 0.45 | 4 | 18 | 77x145 |
| | 150000 | 0.45 | 3 | 18.7 | 77x155 |
| | 180000 | 0.45 | 2 | 19 | 90x145 |
| | 220000 | 0.45 | 2 | 20.1 | 90x155 |
| | 330000 | 0.50 | 1 | 22.5 | 90x235 |
| | 390000 | 0.60 | 1 | 23.8 | 90x235 |

| WV (SV) | Cap. | tanδ | Typ ESR | Ripple Current | Size φDxL |
|------------|--------|------------|------------|-------------------|--------------|
| | | 20°C 120Hz | | 105°C 120Hz | |
| V | μF | - | mΩ | Arms | mm |
| 80(100) | 12000 | 0.20 | 15 | 5.6 | 36x80 |
| | 15000 | 0.25 | 11 | 6.2 | 51x80 |
| | 22000 | 0.25 | 8 | 8.2 | 51x100 |
| | 33000 | 0.30 | 7 | 9.7 | 65x100 |
| | 47000 | 0.30 | 6 | 12.5 | 65x100 |
| | 56000 | 0.30 | 5 | 13.8 | 77x120 |
| | 68000 | 0.30 | 5 | 16.4 | 77x145 |
| | 100000 | 0.40 | 4 | 19.8 | 77x145 |
| 100(125) | 4700 | 0.15 | 21 | 3.9 | 36x60 |
| | 6800 | 0.15 | 19 | 5 | 36x70 |
| | 8200 | 0.15 | 16 | 5.8 | 36x80 |
| | 10000 | 0.15 | 13 | 6.5 | 51x80 |
| | 15000 | 0.20 | 9 | 7.6 | 51x100 |
| | 22000 | 0.20 | 7 | 9.7 | 65x120 |
| | 33000 | 0.25 | 6 | 11.8 | 77x100 |
| | 47000 | 0.25 | 5 | 15 | 77x145 |
| | 68000 | 0.25 | 4 | 17.2 | 77x155 |
| | 82000 | 0.25 | 3 | 19.5 | 77x185 |
| | 100000 | 0.30 | 2 | 20.8 | 90x155 |
| | 120000 | 0.30 | 1 | 21.2 | 90x235 |
| 160(200) | 150000 | 0.30 | 1 | 22.8 | 90x235 |
| | 2200 | 0.20 | 55 | 2.7 | 36x80 |
| | 4700 | 0.20 | 35 | 4.4 | 51x80 |
| | 5600 | 0.20 | 30 | 5.1 | 51x80 |
| | 6800 | 0.20 | 25 | 5.9 | 51x100 |
| | 10000 | 0.20 | 15 | 7.6 | 65x100 |
| | 12000 | 0.20 | 8 | 8.9 | 65x100 |
| | 15000 | 0.20 | 11 | 10.3 | 65x120 |
| | 18000 | 0.20 | 9 | 11.5 | 65x120 |
| | 22000 | 0.20 | 6 | 13.2 | 77x145 |
| | 33000 | 0.20 | 4 | 15.6 | 90x145 |
| | 47000 | 0.20 | 3 | 17.8 | 90x155 |
| | 56000 | 0.20 | 1 | 19.5 | 90x235 |
| 200(250) | 3300 | 0.20 | 36 | 3.7 | 51x80 |
| | 4700 | 0.20 | 24 | 4.9 | 51x100 |
| | 5600 | 0.20 | 20 | 5.6 | 51x120 |
| | 6800 | 0.20 | 16 | 6.3 | 65x120 |
| | 8200 | 0.2 | 14 | 7 | 65x120 |
| | 10000 | 0.20 | 12 | 8.1 | 77x120 |
| | 12000 | 0.2 | 10 | 9 | 77x120 |
| | 15000 | 0.20 | 6 | 10.9 | 77x120 |
| | 22000 | 0.20 | 4 | 11.8 | 77x145 |
| | 33000 | 0.20 | 2 | 13.1 | 90x155 |
| | 47000 | 0.20 | 1 | 15.6 | 90x185 |

Standard Ratings

| WV (SV) | Cap. | Diss. Factor | Typ ESR | Ripple Current | Size φDxL |
|------------|-------|-----------------|------------|-------------------|--------------|
| | | 20°C 120Hz | | 105°C 120Hz | |
| | | - | mΩ | Arms | |
| V | μF | - | mΩ | Arms | mm |
| 250(300) | 2200 | 0.2 | 28 | 3.1 | 51x80 |
| | 3300 | 0.2 | 20 | 4.2 | 51x100 |
| | 4700 | 0.2 | 15 | 5.4 | 51x100 |
| | 6800 | 0.2 | 10 | 6.9 | 65x100 |
| | 10000 | 0.2 | 8 | 9.3 | 65x120 |
| | 15000 | 0.2 | 6 | 12.2 | 77x145 |
| | 22000 | 0.2 | 4 | 13.5 | 90x155 |
| | 27000 | 0.2 | 2 | 14.7 | 90x185 |
| | 33000 | 0.2 | 1 | 16.1 | 90x235 |
| | | | | | |
| 350(400) | 3300 | 0.2 | 30 | 8 | 51x120 |
| | 4700 | 0.2 | 23 | 11 | 65x120 |
| | 5600 | 0.2 | 20 | 12.1 | 77x120 |
| | 6800 | 0.2 | 15 | 13.5 | 77x145 |
| | 10000 | 0.2 | 12 | 18.6 | 90x155 |
| | 12000 | 0.2 | 10 | 21 | 90x155 |
| | 15000 | 0.2 | 8 | 26.1 | 90x185 |
| | 22000 | 0.2 | 6 | 29.6 | 90x235 |
| | 33000 | 0.2 | 4 | 31.5 | 101x250 |
| 400(450) | 2200 | 0.2 | 30 | 4.5 | 51x120 |
| | 3300 | 0.2 | 20 | 6.2 | 65x100 |
| | 4700 | 0.2 | 13 | 8.7 | 77x120 |
| | 5600 | 0.2 | 12 | 9.3 | 77x145 |
| | 6800 | 0.2 | 11 | 10.7 | 77x145 |
| | 8200 | 0.2 | 10 | 12.3 | 90x145 |
| | 10000 | 0.2 | 9 | 14.1 | 90x155 |
| | 12000 | 0.2 | 9 | 15.8 | 90x185 |
| | 15000 | 0.2 | 6 | 17.5 | 90x235 |
| | 22000 | 0.2 | 6 | 19.2 | 90x235 |
| | 27000 | 0.2 | 4 | 21.6 | 101x250 |
| | | | | | |
| WV (SV) | Cap. | Diss. Factor | Typ ESR | Ripple Current | Size φDxL |
| V | μF | - | mΩ | Arms | mm |
| 450(500) | 1000 | 0.2 | 90 | 4.2 | 51x80 |
| | 1500 | 0.2 | 54 | 5.7 | 51x100 |
| | 1800 | 0.2 | 45 | 6.8 | 51x120 |
| | 2200 | 0.2 | 33 | 7.3 | 65x100 |
| | 3300 | 0.2 | 22 | 10.1 | 65x120 |
| | 4700 | 0.2 | 15 | 12.6 | 77x120 |
| | 5600 | 0.2 | 11 | 15.8 | 77x145 |
| | 6800 | 0.2 | 9 | 17.2 | 77x145 |
| | 8200 | 0.2 | 8 | 19.1 | 77x220 |
| | 10000 | 0.2 | 6 | 20.9 | 90x185 |
| | 12000 | 0.2 | 4 | 22.6 | 90x185 |
| | 15000 | 0.2 | 3 | 24 | 90x236 |
| | 1000 | 0.3 | 85 | 4.6 | 51x100 |
| | 1500 | 0.3 | 60 | 5.7 | 51x120 |
| 500(550) | 2200 | 0.3 | 40 | 6.9 | 65x120 |
| | 3300 | 0.3 | 32 | 9.5 | 77x120 |
| | 4700 | 0.3 | 27 | 12 | 77x145 |
| | 5600 | 0.3 | 21 | 13.9 | 77x185 |
| | 6800 | 0.3 | 18 | 16 | 90x155 |
| | 8200 | 0.3 | 14 | 17.5 | 90x185 |
| | 10000 | 0.3 | 10 | 22 | 90x235 |
| | | | | | |

Ripple Current: 105°C, 100Hz or 120Hz