

TC

Low impedance · Long life Series

- Endurance: 105°C 6000~10000hours
- Recommended Applications :Applicable forAV(TV,Video,Audio),
OA/HA/Communication, SMPS, Adapter,Monitor/Computer,Converter/Inverter
- Corresponding product to RoHS

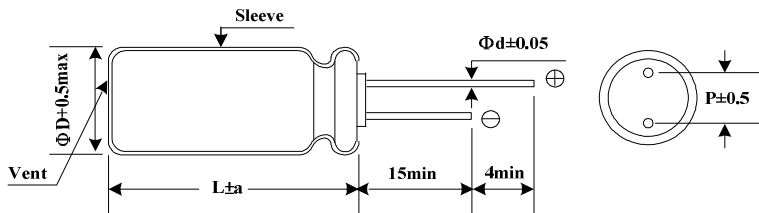
TC
↑
TB Long Life



■ SPECIFICATIONS

| Item | Characteristics | | | | | | | | | |
|--|---|--|----------|--------------|------|------|------|------|------|------|
| Category Temperature Range | -40 ~ +105°C | | | | | | | | | |
| Rated Voltage Range | 6.3~100VDC | | | | | | | | | |
| Rated Capacitance Range | 8.2 ~ 8200 μ F | | | | | | | | | |
| Capacitance Tolerance | \pm 20 % (120Hz , 20°C) | | | | | | | | | |
| Leakage Current (20°C) | I=0.01CV or 3 μ A whichever is greater. (After rated voltage applied for 2 minutes) I : Max. leakage current (μ A), C : Nominal capacitance (μ F), V : Rated voltage (V) | | | | | | | | | |
| Dissipation Factor(MAX) (tan δ) (120Hz, 20°C) | WV | 6.3 | 10 | 16 | 25 | 35 | 50 | 63 | 80 | 100 |
| | tan δ | 0.22 | 0.19 | 0.16 | 0.14 | 0.12 | 0.10 | 0.09 | 0.08 | 0.08 |
| When nominal capacitance is over 1000 μ F, tan δ shall be added 0.02 to the listed value with increase of every 1000 μ F. | | | | | | | | | | |
| Low Temperature Stability Impedance Ratio (MAX) | WV | 6.3 | 10 | 16 | 25 | 35 | 50 | 63 | 80 | 100 |
| | Z(120Hz) | 6.3 | 10 | 16 | 25 | 35 | 50 | 63 | 80 | 100 |
| | Z-25°C / Z+20°C | 4 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | Z-40°C / Z+20°C | 8 | 6 | 4 | 3 | 3 | 3 | 3 | 3 | 3 |
| Endurance | After applying rated voltage with rated ripple current for 6000~10000hours at 105°C, the capacitors shall meet the following requirements. | | | | | | | | | |
| | Capacitance change | Within \pm 25% of initial value(6.3 · 10V : \pm 30%) | | | | | | | | |
| | D.F. (tan δ) | Not more than 200% of specified value | | | | | | | | |
| | Leakage current | initial specified value or less | | | | | | | | |
| | D Φ | 5-6.3 Φ | 8 Φ | 10~18 Φ | | | | | | |
| Life | 6000hrs | 8000hrs | 10000hrs | | | | | | | |
| Shelf Life | The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 1,000 hours at 105°C without voltage applied. | | | | | | | | | |

■ Dimensions [mm]



| | | | | | | | |
|----|-----|-----|-----|-----|-----|-----|-----|
| ΦD | 5 | 6.3 | 8 | 10 | 13 | 16 | 18 |
| P | 2.0 | 2.5 | 3.5 | 5.0 | 5.0 | 7.5 | 7.5 |
| Φd | 0.5 | 0.5 | 0.6 | 0.6 | 0.6 | 0.8 | 0.8 |
| a | 1.5 | 1.5 | 1.5 | 1.5 | 2.0 | 2.0 | 2.0 |

■ Multiplier for Ripple Current

| Freq. (Hz) | 120 | 1K | 10K | 100K |
|------------|------|------|------|------|
| 8.2 ~ 33 | 0.42 | 0.70 | 0.90 | 1.00 |
| 47 ~ 270 | 0.50 | 0.73 | 0.92 | 1.00 |
| 330 ~680 | 0.55 | 0.77 | 0.94 | 1.00 |
| 820 ~ 1800 | 0.60 | 0.80 | 0.96 | 1.00 |
| 2200 ~8200 | 0.70 | 0.85 | 0.98 | 1.00 |

■ STANDARD RATINGS

| Rated Voltage (SurageVoltage) (V) | Cap (μF) | Case size Φ DxL(mm) | Ripple current (mA/rms105°C) (100KHz) | Impedance (Ω,20°C) (100KHz) | Rated Voltage (SurageVoltage) (V) | Cap (μF) | Case size Φ DxL(mm) | Ripple current (mA/rms105°C) (100KHz) | Impedance (Ω,20°C) (100KHz) | |
|-----------------------------------|----------|---------------------|---------------------------------------|-----------------------------|-----------------------------------|----------|---------------------|---------------------------------------|-----------------------------|--|
| 6.3V (8) | 220 | 5x11 | 345 | 0.242 | 35V (44) | 220 | 8x12 | 945 | 0.056 | |
| | 470 | 6.3x11 | 540 | 0.103 | | 270 | 8x16 | 1250 | 0.050 | |
| | 820 | 8x12 | 945 | 0.062 | | 330 | 10x12.5 | 1330 | 0.041 | |
| | 1200 | 8x16 | 1250 | 0.050 | | 390 | 8x20 | 1500 | 0.032 | |
| | | 10x12.5 | 1330 | 0.043 | | 470 | 10x16 | 1760 | 0.030 | |
| | 1500 | 8x20 | 1500 | 0.032 | | 560 | 10x20 | 1960 | 0.025 | |
| | 1800 | 10x16 | 1760 | 0.031 | | 680 | 10x25 | 2250 | 0.023 | |
| | 2200 | 10x20 | 1960 | 0.022 | | 1000 | 13x20 | 2480 | 0.025 | |
| | 2700 | 10x25 | 2250 | 0.020 | | 1200 | 13x25 | 2900 | 0.022 | |
| | 3900 | 13x20 | 2480 | 0.019 | | 1500 | 13x30 | 3450 | 0.018 | |
| | 4700 | 13x25 | 2900 | 0.017 | | | 16x20 | 3250 | 0.020 | |
| | 5600 | 13x30 | 3450 | 0.014 | | 1800 | 13x35 | 3570 | 0.018 | |
| | 6800 | 16x20 | 3250 | 0.017 | | 2200 | 16x25 | 3630 | 0.015 | |
| | | 13x35 | 3570 | 0.013 | | | | | | |
| 8200 | 16x25 | 3630 | 0.014 | | | | | | | |
| 10V (13) | 150 | 5x11 | 345 | 0.242 | 50V (63) | 27 | 5x11 | 238 | 0.3400 | |
| | 330 | 6.3x11 | 540 | 0.103 | | 56 | 6.3x11 | 385 | 0.1400 | |
| | 680 | 8x12 | 945 | 0.062 | | 100 | 8x12 | 724 | 0.074 | |
| | 1000 | 8x16 | 1250 | 0.050 | | 120 | 8x16 | 950 | 0.061 | |
| | | 10x12.5 | 1330 | 0.043 | | 150 | 10x12.5 | 979 | 0.061 | |
| | 1500 | 8x20 | 1500 | 0.032 | | 180 | 8x20 | 1190 | 0.046 | |
| | | 10x16 | 1760 | 0.031 | | 220 | 10x16 | 1370 | 0.042 | |
| | 1800 | 10x20 | 1960 | 0.022 | | 270 | 10x20 | 1580 | 0.030 | |
| | 2200 | 10x25 | 2250 | 0.020 | | 330 | 10x25 | 1870 | 0.028 | |
| | 3300 | 13x20 | 2480 | 0.019 | | 470 | 13x20 | 2050 | 0.027 | |
| | 3900 | 13x25 | 2900 | 0.017 | | 560 | 13x25 | 2410 | 0.023 | |
| | 4700 | 13x30 | 3450 | 0.014 | | 680 | 13x30 | 2860 | 0.021 | |
| | | 16x20 | 3250 | 0.017 | | 820 | 13x35 | 2960 | 0.019 | |
| | 5600 | 13x35 | 3570 | 0.013 | | | 16x20 | 2730 | 0.023 | |
| 6800 | 16x25 | 3630 | 0.014 | 1000 | 16x25 | 3010 | 0.021 | | | |
| 16V (20) | 100 | 5x11 | 345 | 0.242 | 63V (79) | 18 | 5x11 | 173 | 1.000 | |
| | 220 | 6.3x11 | 540 | 0.103 | | 47 | 6.3x11 | 278 | 0.560 | |
| | 470 | 8x12 | 945 | 0.062 | | 82 | 8x12 | 525 | 0.264 | |
| | 680 | 8x16 | 1250 | 0.050 | | 100 | 8x16 | 688 | 0.192 | |
| | | 10x12.5 | 1330 | 0.043 | | 120 | 10x12.5 | 725 | 0.180 | |
| | 1000 | 8x20 | 1500 | 0.032 | | 150 | 8x20 | 861 | 0.144 | |
| | | 10x16 | 1760 | 0.031 | | 180 | 10x16 | 998 | 0.132 | |
| | 1500 | 10x20 | 1960 | 0.022 | | 270 | 10x20 | 1200 | 0.094 | |
| | 1800 | 10x25 | 2250 | 0.020 | | | 13x16 | 1200 | 0.098 | |
| | 2200 | 13x20 | 2480 | 0.019 | | 330 | 10x25 | 1410 | 0.083 | |
| | 2700 | 13x25 | 2900 | 0.017 | | 390 | 13x20 | 1570 | 0.072 | |
| | 3300 | 13x30 | 3450 | 0.014 | | 470 | 13x25 | 1990 | 0.052 | |
| | | 16x20 | 3250 | 0.017 | | 560 | 13x30 | 2410 | 0.042 | |
| | 3900 | 13x35 | 3570 | 0.013 | | | 16x20 | 2100 | 0.052 | |
| 4700 | 16x25 | 3630 | 0.014 | 680 | 13x35 | 2620 | 0.040 | | | |
| 25V (32) | 68 | 5x11 | 345 | 0.242 | 80V (100) | 12 | 5x11 | 163 | 1.400 | |
| | 150 | 6.3x11 | 540 | 0.103 | | 33 | 6.3x11 | 267 | 0.570 | |
| | 330 | 8x12 | 945 | 0.062 | | 56 | 8x12 | 462 | 0.360 | |
| | 390 | 8x16 | 1250 | 0.050 | | 68 | 8x16 | 585 | 0.250 | |
| | 470 | 10x12.5 | 1330 | 0.043 | | 82 | 10x12.5 | 624 | 0.230 | |
| | 560 | 8x20 | 1500 | 0.032 | | 100 | 8x20 | 735 | 0.190 | |
| | 680 | 10x16 | 1760 | 0.031 | | 120 | 10x16 | 780 | 0.170 | |
| | 820 | 10x20 | 1960 | 0.022 | | 180 | 10x20 | 1040 | 0.120 | |
| | 1000 | 10x25 | 2250 | 0.020 | | | 13x16 | 975 | 0.130 | |
| | 1500 | 13x20 | 2480 | 0.019 | | | | | | |
| | 1800 | 13x25 | 2900 | 0.017 | | | | | | |
| | 2200 | 13x30 | 3450 | 0.014 | | | | | | |
| | | 16x20 | 3250 | 0.017 | | | | | | |
| | 2700 | 13x35 | 3570 | 0.013 | | | | | | |
| 3300 | 16x25 | 3630 | 0.014 | | | | | | | |
| 35V (44) | 47 | 5x11 | 345 | 0.2200 | | | | | | |
| | 100 | 6.3x11 | 540 | 0.094 | | | | | | |

■ STANDARD RATINGS

| Rated Voltage (SurageVoltage) (V) | Cap (μ F) | Case size Φ D \times L(mm) | Ripple current (mA/rms105°C) (100KHz) | Impedance (Ω ,20°C) (100KHz) |
|---|-------------------|--------------------------------------|---|--|
| 80V (100) | 220 | 10x25 | 1170 | 0.110 |
| | 270 | 13x20 | 1430 | 0.085 |
| | 330 | 13x25 | 1620 | 0.060 |
| | 390 | 13x30 | 1950 | 0.051 |
| | | 16x20 | 1750 | 0.058 |
| | 470 | 13x35 | 2140 | 0.043 |
| | 560 | 13x40 | 2340 | 0.036 |
| | | 16x25 | 2210 | 0.044 |
| | | 18x20 | 1950 | 0.054 |
| | 680 | 16x32 | 2400 | 0.033 |
| | 820 | 16x36 | 2600 | 0.029 |
| | | 18x25 | 2270 | 0.038 |
| | 1000 | 16x40 | 2860 | 0.027 |
| | | 18x32 | 2470 | 0.031 |
| 1200 | 18x36 | 2860 | 0.027 | |
| 1500 | 18x40 | 3510 | 0.026 | |
| 100V (125) | 8.2 | 5x11 | 163 | 1.400 |
| | 18 | 6.3x11 | 267 | 0.570 |
| | 33 | 8x12 | 462 | 0.360 |
| | 47 | 8x16 | 585 | 0.250 |
| | 56 | 10x12.5 | 624 | 0.230 |

| Rated Voltage (SurageVoltage) (V) | Cap (μ F) | Case size Φ D \times L(mm) | Ripple current (mA/rms105°C) (100KHz) | Impedance (Ω ,20°C) (100KHz) |
|---|-------------------|--------------------------------------|---|--|
| 100V (125) | 68 | 8x20 | 735 | 0.190 |
| | 82 | 10x16 | 780 | 0.170 |
| | 100 | 10x20 | 1040 | 0.120 |
| | | 13x16 | 975 | 0.130 |
| | 120 | 10x25 | 1170 | 0.110 |
| | 150 | 13x20 | 1430 | 0.085 |
| | 220 | 13x25 | 1620 | 0.060 |
| | 270 | 13x30 | 1950 | 0.051 |
| | | 16x20 | 1750 | 0.058 |
| | 330 | 13x35 | 2140 | 0.043 |
| | 390 | 13x40 | 2340 | 0.036 |
| | | 16x25 | 2210 | 0.044 |
| | | 18x20 | 1950 | 0.054 |
| | 470 | 16x32 | 2400 | 0.033 |
| | | 18x25 | 2270 | 0.038 |
| | 560 | 16x36 | 2600 | 0.029 |
| | | 18x32 | 2470 | 0.031 |
| | 680 | 16x40 | 2860 | 0.027 |
| | | 18x36 | 2860 | 0.027 |
| | 820 | 18x40 | 3510 | 0.026 |

单击下面可查看定价，库存，交付和生命周期等信息

[>>Teapo \(智宝\)](#)