

UST

7mmL, Wide Temperature Range

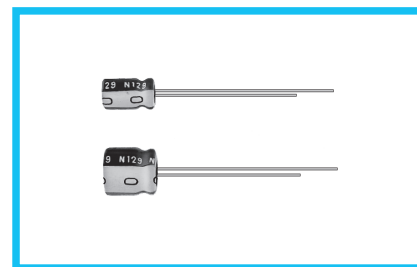


Anti-Solvent
Feature

- Wide temperature range of -55 to +105°C, with 7mm height.
- Compliant to the RoHS directive (2011/65/EU).

UST

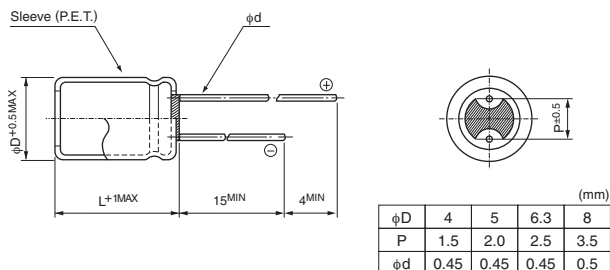
High
Temperature
USA



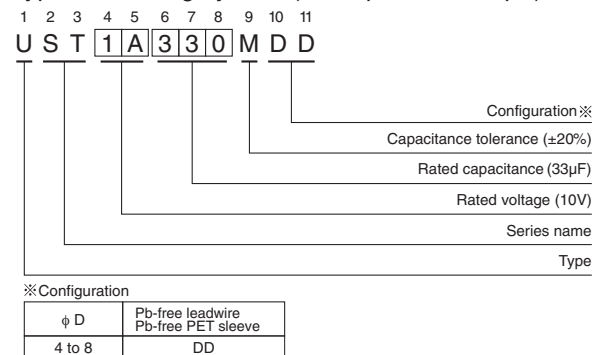
Specifications

| Item | Performance Characteristics | | | | | | |
|-------------------------------|---|-----------------|------|------|------|------|------|
| Category Temperature Range | -55 to +105°C | | | | | | |
| Rated Voltage Range | 6.3 to 50V | | | | | | |
| Rated Capacitance Range | 1 to 220μF | | | | | | |
| Capacitance Tolerance | ±20% at 120Hz, 20°C | | | | | | |
| Leakage Current | After 2 minutes' application of rated voltage at 20°C, leakage current is not more than 0.01CV or 3 (μA), whichever is greater. | | | | | | |
| Tangent of loss angle (tan δ) | Measurement frequency : 120Hz at 20°C | | | | | | |
| | Rated voltage (V) | 6.3 | 10 | 16 | 25 | 35 | 50 |
| | tan δ (MAX.) | 0.24 | 0.21 | 0.18 | 0.15 | 0.13 | 0.12 |
| Stability at Low Temperature | Measurement frequency : 120 Hz | | | | | | |
| | Rated voltage (V) | 6.3 | 10 | 16 | 25 | 35 | 50 |
| | Impedance ratio | Z-25°C / Z+20°C | 3 | 2 | 2 | 2 | 2 |
| | ZT / Z20 (MAX.) | Z-40°C / Z+20°C | 6 | 5 | 4 | 3 | 3 |
| Endurance | The specifications listed at right shall be met when the capacitors are restored to 20°C after the rated voltage is applied for 1000 hours at 105°C. | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| Shelf Life | After storing the capacitors under no load at 105°C for 1000 hours and then performing voltage treatment based on JIS C 5101-4 clause 4.1 at 20°C, they shall meet the specified values for the endurance characteristics listed above. | | | | | | |
| Marking | Printed with white color letter on black sleeve. | | | | | | |

Radial Lead Type



Type numbering system (Example : 10V 33μF)



Dimensions

| Cap.(μF) | V | 6.3 | 10 | 16 | 25 | 35 | 50 |
|----------|-----|------------|------------|------------|------------|------------|------------|
| Code | | 0J | 1A | 1C | 1E | 1V | 1H |
| 1 | 010 | | | | | | 4 × 7 10 |
| 2.2 | 2R2 | | | | | | 4 × 7 19 |
| 3.3 | 3R3 | | | | | | 4 × 7 24 |
| 4.7 | 4R7 | | | | | 4 × 7 24 | 5 × 7 29 |
| 10 | 100 | | | 4 × 7 29 | 5 × 7 33 | 5 × 7 36 | 6.3 × 7 44 |
| 22 | 220 | 4 × 7 34 | 5 × 7 38 | 5 × 7 44 | 6.3 × 7 51 | 6.3 × 7 57 | 8 × 7 65 |
| 33 | 330 | 5 × 7 42 | 5 × 7 47 | 6.3 × 7 57 | 6.3 × 7 63 | 8 × 7 72 | |
| 47 | 470 | 5 × 7 50 | 6.3 × 7 59 | 6.3 × 7 68 | 8 × 7 78 | | |
| 100 | 101 | 6.3 × 7 77 | 8 × 7 96 | 8 × 7 107 | | | |
| 220 | 221 | 8 × 7 130 | 8 × 7 140 | | | | |

Frequency coefficient of rated ripple current

| Frequency | 50 Hz | 120 Hz | 300 Hz | 1 kHz | 10 kHz or more |
|-------------|-------|--------|--------|-------|----------------|
| Coefficient | 0.70 | 1.00 | 1.17 | 1.36 | 1.50 |

Rated ripple current (mA_{rms}) at 105°C 120Hz

Please refer to page 20, 21, 22 about the formed or taped product spec.
Please refer to page 4 for the minimum order quantity.