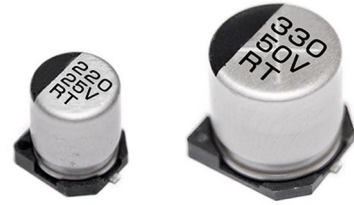


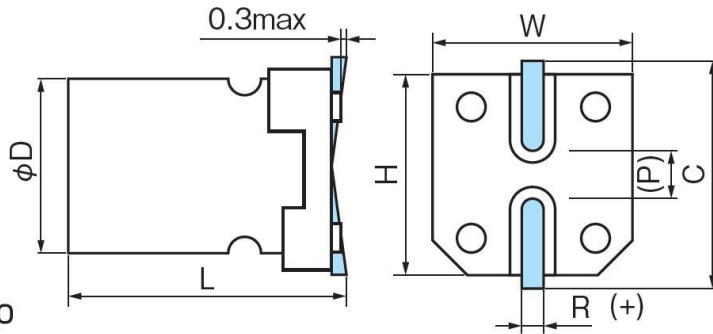
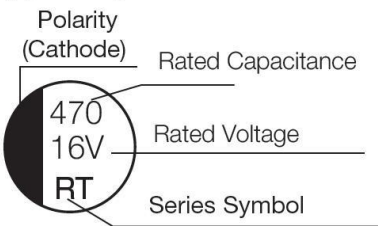
FEATURES

- 105°C 2,000-3,000Hours
- Solvent proof (within 2 minutes)



DIMENSIONS (mm)

[$\phi D \leq 10$]



Black print on the case top

A pressure relief vent is provided for $\phi D=8$ or bigger

| $\phi D \pm 0.5$ | L | $W \pm 0.2$ | $H \pm 0.2$ | $C \pm 0.2$ | R | $p \pm 0.2$ |
|------------------|----------------|-------------|-------------|-------------|---------|-------------|
| 4 | 5.4 ± 0.4 | 4.3 | 4.3 | 5.1 | 0.5~0.8 | 1 |
| 5 | 5.4 ± 0.4 | 5.3 | 5.3 | 6.1 | 0.5~0.8 | 1.3 |
| 6.3 | 5.4 ± 0.4 | 6.6 | 6.6 | 7.3 | 0.5~0.8 | 2.2 |
| 6.3 | 7.7 ± 0.4 | 6.6 | 6.6 | 7.3 | 0.5~0.8 | 2.2 |
| 8 | 6.5 ± 0.5 | 8.3 | 8.3 | 9.2 | 0.7~1.2 | 3.1 |
| 8 | 10.5 ± 0.5 | 8.3 | 8.3 | 9.2 | 0.7~1.2 | 3.1 |
| 10 | 10.5 ± 0.5 | 10.3 | 10.3 | 11.2 | 0.7~1.2 | 4.4 |



SPECIFICATIONS

| Items | Condition | | Specifications | | | | | | |
|------------------------------------|--|------------|--|------|------|------|------|------|---|
| Rated voltage (V) | — | | 6.3 | 10 | 16 | 25 | 35 | 50 | |
| Surge voltage (V) | Room temperature | | 8 | 13 | 20 | 32 | 44 | 63 | |
| Category temperature range (°C) | — | | -55 to +105 | | | | | | |
| Capacitance tolerance (%) | 120Hz/20°C | | M : ±20 | | | | | | |
| Dissipation Factor (tan δ) | tanδ (max) 120Hz/20°C | φ4 to φ6.3 | 0.3 | 0.24 | 0.22 | 0.2 | 0.18 | 0.16 | |
| | | φ8 to φ10 | 0.32 | 0.26 | 0.24 | 0.22 | 0.2 | 0.18 | |
| | | | Exceeding 1,000μF, +0.02 every 1,000μF | | | | | | |
| Leakage current (LC) | μA/after 2minutes (max) | | The greater value of either 0.01CV or 3μA | | | | | | |
| Impedance ratio at low temperature | Based on the value at 120Hz, +20°C | -25°C | Z/Z _{20°C} | 4 | 3 | 2 | 2 | 2 | 2 |
| | | -55°C | Z/Z _{20°C} | 8 | 6 | 4 | 3 | 3 | 3 |
| Endurance | 105°C 2,000hours rated voltage applied (With the rated ripple current) | Test | 6.3V.DC : 3,000hours; φ8×10.5 and φ10×10.5 : 3,000hours | | | | | | |
| | | ΔC/C | Within ±30% of the initial value | | | | | | |
| | | tanδ | Less than 300% of the specified value | | | | | | |
| | | LC | Less than the specified value | | | | | | |

RATED RIPPLE CURRENT FREQUENCY COEFFICIENT

| Frequency:F(Hz) | | 100≤F<1k | 1k≤F<10k | 10k≤F<100k | 100k≤F |
|-------------------|---------------|----------|----------|------------|--------|
| Capacitance:C(μF) | C ≤ 100 | 1 | 1.3 | 1.5 | 1.8 |
| | 100 < C ≤ 330 | 1 | 1.2 | 1.3 | 1.45 |
| | 330 < C | 1 | 1.1 | 1.2 | 1.3 |



WEE Technology Company Limited
ROOM 1405, 14/F, LUCKY CENTRE,
171 WANCHAI ROAD,
WANCHAI, HONG KONG
www.weetcap.com
info@weetcap.com

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STANDARD RATINGS

| μF V | 6.3 | | 10 | | 16 | | 25 | | 35 | | 50 | |
|------|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|
| | Size | RC | Size | RC | Size | RC | Size | RC | Size | RC | Size | RC |
| 10 | | | | | | | | | | | 4×5.8 | 30 |
| | | | | | | | | | | | 5×5.8 | 55 |
| 22 | | | | | | | | | 4×5.8 | 55 | 5×5.8 | 55 |
| 33 | | | | | | | 4×5.8 | 60 | 5×5.8 | 85 | | |
| 47 | | | | | 4×5.8 | 60 | 5×5.8 | 95 | 5×5.8 | 95 | 6.3×5.8 | 75 |
| 68 | | | 4×5.8 | 60 | 5×5.8 | 95 | 5×5.8 | 95 | 6.3×5.8 | 120 | | |
| 100 | 4×5.8 | 60 | | | 5×5.8 | 95 | 6.3×5.8 | 120 | 6.3×5.8 | 120 | 6.3×7.7 | 140 |
| 150 | | | 5×5.8 | 95 | 6.3×5.8 | 120 | 6.3×7.7 | 240 | 6.3×7.7 | 240 | | |
| 220 | 5×5.8 | 95 | 6.3×5.8 | 180 | 6.3×5.8 | 180 | 6.3×7.7 | 360 | | | 8×10.5 | 400 |
| 330 | 6.3×5.8 | 180 | 6.3×7.7 | 360 | 6.3×7.7 | 360 | | | 8×10.5 | 510 | 10×10.5 | 270 |
| 390 | | | | | | | 8×10.5 | 510 | 8×10.5 | 510 | | |
| 470 | 6.3×7.7 | 360 | 6.3×7.7 | 360 | 8×6.5 | 360 | 8×10.5 | 510 | | | | |
| 560 | | | | | | | 8×10.5 | 510 | 10×10.5 | 660 | | |
| 680 | 6.3×7.7 | 360 | | | 8×10.5 | 510 | | | 10×10.5 | 710 | | |
| 820 | | | | | 8×10.5 | 510 | 10×10.5 | 710 | | | | |
| 1000 | | | 8×10.5 | 510 | 10×10.5 | 710 | 10×10.5 | 710 | | | | |
| 1200 | | | | | 10×10.5 | 710 | | | | | | |
| 1500 | 8×10.5 | 510 | 10×10.5 | 710 | | | | | | | | |
| 2200 | 10×10.5 | 710 | | | | | | | | | | |

↑ Case

↑ Rated ripple

size:φDxL(m) current:mArms(120Hz, 105°C)
m)

Note: Other Values are available on request. WEET is capable of doing custom service for you.



WEE Technology Company Limited
ROOM 1405, 14/F, LUCKY CENTRE,
171 WANCHAI ROAD,
WANCHAI, HONG KONG
www.weetcap.com
info@weetcap.com

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PN Structure

| WKL | 0J | 0R1 | M | 040054 | T | R |
|------------|---------------|-------------|-----------------------|---------------|----------|----------|
| Series | Rated Voltage | Capacitance | Capacitance Tolerance | Dimension | Packing | Pb |
| | 1. | 2. | 3. | 4. | 5. | 6. |

1. Rated Voltage

| Code | 0J | 1A | 1C | 1D | 1E | 1V | 1G | 1H | 1J | 1K | 2A |
|---------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| Voltage | 6.3V | 10V | 16V | 20V | 25V | 35V | 40V | 50V | 63V | 80V | 100V |

2. Capacitance

| Code | 0R1 | R22 | R33 | R47 | 010 | 2R2 | 3R3 | 4R7 | 100 | 220 | 330 | 470 | 101 |
|------------------|-----|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Capacitance (μF) | 0.1 | 0.22 | 0.33 | 0.47 | 1 | 2.2 | 3.3 | 4.7 | 10 | 22 | 33 | 47 | 100 |

3. Capacitance Tolerance

| Code | K | L | M |
|-----------|------|------|------|
| Tolerance | ±10% | ±15% | ±20% |

4. Dimension

| Code | 040054 | 050054 | 063054 | 080105 | 100105 |
|----------------|--------|--------|---------|--------|---------|
| Dimension (mm) | 4x5.4 | 5x5.4 | 6.3x5.4 | 8x10.5 | 10x10.5 |

5. Packing

| Code | T |
|---------|-------------|
| Packing | Tape & Reel |

6. Pb

| Code | L | R |
|------|--------|------|
| Pb | Leaded | RoHS |

