TEAPO

# Radial Type Aluminium Electrolytic Capacitors

## H7 Low profice Series

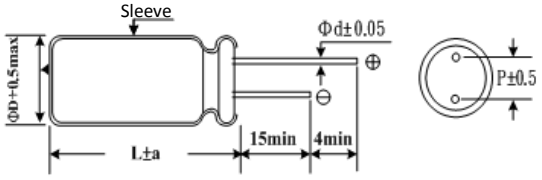
■ Endurance:105℃ 2000 hours
Low profile/miniature,7mm/9mm height
■ Recommended Applications :Monitor/Compurer,AV(TV,Video,Audio),
OA/HA/Communication,Small signal
■ Corresponding product to RoHS

H7 ↑ Long Life
S7


## ■ SPECIFICATIONS

| Item | Characteristics |
|---|---|
| Category Temperature Range | -40 ~ +105℃ |
| Rated Voltage Range | 6.3 ~ 63VDC |
| Rated Capacitance Range | 1 ~ 470 μF |
| Capacitance Tolerance | ± 20 % at 120Hz , 20℃ |
| Leakage Current (20℃) | I=0.01CV or 3( μA) whichever is greater.(After rated voltage applied for 2 minutes)<br>I：Max. leakage current ( μA), C : Nominal capacitance ( μF), V : Rated voltage (V) |
| Dissipation Factor(MAX)<br>(tan δ ) (120Hz ,20℃) | WV: 6.3 / 10 / 16 / 25 / 35 / 50 / 63<br>tan δ: 0.24 / 0.20 / 0.18 / 0.15 / 0.13 / 0.12 / 0.10<br>Down size tan δ add 3% |
| Low Temperature Stability<br>Impedance Ratio (MAX) | WV / Z(120Hz): 6.3 / 10 / 16 / 25 / 35 / 50 / 63<br>Z-25℃ / Z+20℃: 4 / 3 / 2 / 2 / 2 / 2 / 2<br>Z-40℃ / Z+20℃: 8 / 6 / 4 / 4 / 4 / 4 / 4 |
| Endurance | After applying rated voltage for 2000 hours at 105℃,the capacitors shall meet the following requirements.<br>Capacitance change: Within ± 20% of initial value<br>D.F. (tan δ ): Not more than 200% of specified value<br>Leakage current: initial specified value or less |
| Shelf Life | After placed at 105℃ without voltage applied for 1000 hours,the capacitors shall meet the sane requirement as Endurance. |

## ■ Dimensions [mm]




| ΦD | 4.0 | 5.0 | 6.3 | 8.0 |
|---|---|---|---|---|
| P | 1.5 | 2.0 | 2.5 | 3.5 |
| Φd | 0.45 | 0.45 | 0.45 | 0.5 |
| a | 1.0 | 1.0 | 1.0 | 1.0 |

Notes：8Φhave ven

## ■ Multiplier for Ripple Current

| Freq. (Hz) | 50 | 120 | 1K | 10K |
|---|---|---|---|---|
| 6.3~16V | 0.80 | 1.00 | 1.1 | 1.2 |
| 25~35V | 0.80 | 1.00 | 1.5 | 1.7 |
| 50~63V | 0.80 | 1.00 | 1.6 | 1.9 |

# H7

Low profice Series

## ■STANDARD RATINGS

| Rated Voltage (SurageVoltage) (V) | Cap (μF) | Case size ΦDxL(mm) | tan δ | Ripple current (mA/rms105℃) (120Hz) |
|---|---|---|---|---|
| 6.3 (8) | 33 | 4x7 | 0.24 | 35 |
| | 47 | 5x7 | 0.24 | 50 |
| | 100 | 5x7 | 0.24 | 70 |
| | 220 | 6.3x7 | 0.24 | 110 |
| | 330 | 8x7 | 0.24 | 150 |
| | 470 | 8x9 | 0.24 | 200 |
| 10 (13) | 22 | 4x7 | 0.20 | 30 |
| | 33 | 4x7 | 0.20 | 40 |
| | 47 | 5x7 | 0.20 | 60 |
| | 100 | 6.3x7 | 0.20 | 90 |
| | 220 | 6.3x7 | 0.20 | 135 |
| | 330 | 8x9 | 0.20 | 160 |
| | 470 | 8x9 | 0.20 | 210 |
| 16 (20) | 2.2 | 4x7 | 0.18 | 10 |
| | 3.3 | 4x7 | 0.18 | 10 |
| | 4.7 | 4x7 | 0.18 | 15 |
| | 10 | 4x7 | 0.18 | 25 |
| | 22 | 4x7 | 0.18 | 35 |
| | 33 | 5x7 | 0.18 | 50 |
| | 47 | 6.3x7 | 0.18 | 70 |
| | 100 | 6.3x7 | 0.18 | 110 |
| | 220 | 8x9 | 0.18 | 180 |
| | 330 | 8x9 | 0.18 | 210 |

| Rated Voltage (SurageVoltage) (V) | Cap (μF) | Case size ΦDxL(mm) | tan δ | Ripple current (mA/rms105℃) (120Hz) |
|---|---|---|---|---|
| 25 (32) | 4.7 | 4x7 | 0.15 | 20 |
| | 10 | 4x7 | 0.15 | 30 |
| | 22 | 5x7 | 0.15 | 50 |
| | 33 | 6.3x7 | 0.15 | 65 |
| | 47 | 6.3x7 | 0.15 | 70 |
| | 100 | 8x7 | 0.15 | 115 |
| 35 (44) | 4.7 | 4x7 | 0.13 | 25 |
| | 10 | 4x7 | 0.13 | 35 |
| | 22 | 5x7 | 0.13 | 60 |
| | 33 | 6.3x7 | 0.13 | 70 |
| | 47 | 8x7 | 0.13 | 80 |
| | 100 | 8x9 | 0.13 | 145 |
| 50 (63) | 1.0 | 4x7 | 0.12 | 10 |
| | 2.2 | 4x7 | 0.12 | 20 |
| | 3.3 | 4x7 | 0.12 | 25 |
| | 4.7 | 4x7 | 0.12 | 30 |
| | 10 | 5x7 | 0.12 | 35 |
| | 22 | 6.3x7 | 0.12 | 65 |
| | 33 | 8x7 | 0.12 | 80 |
| | 47 | 8x9 | 0.12 | 100 |
| 63 (79) | 1.0 | 4x7 | 0.10 | 10 |
| | 2.2 | 4x7 | 0.10 | 20 |
| | 3.3 | 4x7 | 0.10 | 25 |
| | 4.7 | 5x7 | 0.10 | 35 |
| | 10 | 6.3x7 | 0.10 | 50 |