

Jamicon Series : JP

Teapo Series : JP High voltage · Long life Series

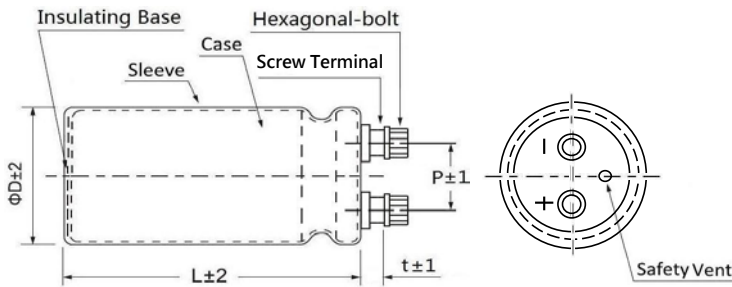
- Endurance:85°C 10000hours
- Recommended Applications :UPS、service system、press working equipment、charging equipment、inverter、converter
- Corresponding product to RoHS



**■ SPECIFICATIONS**

| Item   | Characteristics   |                                       |      |      |
|--|---|---------------------------------------|------|------|
| Category Temperature Range                         | -40 ~ +85°C   |                                       |      |      |
| Rated Voltage Range                                | 350 ~ 450VDC  |                                       |      |      |
| Capacitance Tolerance                              | ± 20 % (120Hz, 20°C)  |                                       |      |      |
| Leakage Current (20°C)                             | I ≤ 0.02CV or 5mA whichever is greater. (After rated voltage applied for 5 minutes)<br>I : Max. leakage current (µA), C : Nominal capacitance (µF), V : Rated voltage (V) |                                       |      |      |
| Dissipation Factor(MAX)<br>(tan δ) (120Hz, 20°C)   | WV  | 350                                   | 400  | 450  |
|  | tan δ   | 0.15                                  | 0.15 | 0.15 |
| Low Temperature Stability<br>Impedance Ratio (MAX) | Measurement frequency : 120Hz   |                                       |      |      |
|  | Rated voltage(V)  | 350~450                               |      |      |
|  | Z-25°C / Z+20°C   | 8                                     |      |      |
| Endurance  | After applying rated voltage with ripple current for 10000 hours at 85°C, the capacitors shall meet the following requirements.   |                                       |      |      |
|  | Capacitance change  | Within ± 20% of initial value         |      |      |
|  | D.F. (tan δ)  | Not more than 200% of specified value |      |      |
|  | Leakage current   | Not more than the specified value     |      |      |
| Shelf Life   | After placed at 85°C without voltage applied for 1000 hours, the capacitor shall meet the same requirements as Endurance.   |                                       |      |      |

**■ Dimensions [mm]**



| ΦD | P    | t   | Hexagonal-bolt |
|----|------|-----|----------------|
| 51 | 22.2 | 6.3 | M5 × 0.8 × 10  |
| 64 | 28.5 | 6.3 | M5 × 0.8 × 10  |
| 77 | 31.8 | 5.8 | M5 × 0.8 × 10  |
| 90 | 31.6 | 5.8 | M6 × 1.0 × 10  |

**■ Multiplier for Ripple Current**

| Freq. (Hz)  | 60   | 120  | 300  | 1K   | ≥ 10K |
|-------------|------|------|------|------|-------|
| coefficient | 0.70 | 1.00 | 1.10 | 1.30 | 1.40  |

| Temperature | 40   | 60   | 85   |
|-------------|------|------|------|
| coefficient | 1.89 | 1.67 | 1.00 |

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■ STANDARD RATINGS

| Rated Voltage<br>(SurageVoltage)<br>(V) | Cap<br>( $\mu$ F) | Case size<br>$\Phi$ D $\times$ L(mm) | $\tan \delta$ | Ripple current<br>(A/rms85°C)<br>(120Hz) | Rated Voltage<br>(SurageVoltage)<br>(V) | Cap<br>( $\mu$ F) | Case size<br>$\Phi$ D $\times$ L(mm) | $\tan \delta$ | Ripple current<br>(A/rms85°C)<br>(120Hz) |
|---|-------------------|--------------------------------------|---------------|--|---|-------------------|--------------------------------------|---------------|--|
| 350 (400)                               | 1000              | 51x75                                | 0.15          | 5.7                                      | 400 (450)                               | 3900              | 77x115                               | 0.15          | 12.8                                     |
|   | 1200              | 51x75                                | 0.15          | 6.3                                      |   | 4700              | 64x195                               | 0.15          | 16.6                                     |
|   | 1500              | 51x96                                | 0.15          | 7.8                                      |   |                   | 77x130                               | 0.15          | 14.9                                     |
|   | 1800              | 51x96                                | 0.15          | 8.5                                      |   | 5600              | 64x195                               | 0.15          | 17.6                                     |
|   | 2200              | 51x130                               | 0.15          | 10.8                                     |   |                   | 77x155                               | 0.15          | 17.0                                     |
|   | 2700              | 64x96                                | 0.15          | 11.5                                     |   | 6800              | 90x157                               | 0.15          | 19.8                                     |
|   | 3300              | 64x115                               | 0.15          | 13.7                                     |   | 8200              | 90x157                               | 0.15          | 21.7                                     |
|   | 3900              | 64x130                               | 0.15          | 15.8                                     |   | 10000             | 90x196                               | 0.15          | 25.5                                     |
|   | 4700              | 64x155                               | 0.15          | 18.7                                     |   | 12000             | 90x236                               | 0.15          | 20.4                                     |
|   |                   | 77x115                               | 0.15          | 17.6                                     |   | 450 (500)         | 1000                                 | 51x96         | 0.15                                     |
|   | 5600              | 64x195                               | 0.15          | 22                                       | 1200                                    |                   | 51x115                               | 0.15          | 7  |
|   |                   | 77x130                               | 0.15          | 20.3                                     | 1500                                    |                   | 51x130                               | 0.15          | 8.3                                      |
|   | 6800              | 77x155                               | 0.15          | 23.4                                     | 1800                                    |                   | 64x96                                | 0.15          | 8.7                                      |
|   | 8200              | 90x157                               | 0.15          | 27.2                                     | 2200                                    |                   | 64x115                               | 0.15          | 10.5                                     |
|   | 10000             | 90x157                               | 0.15          | 30                                       | 2700                                    |                   | 64x130                               | 0.15          | 12.2                                     |
| 12000                                   | 90x196            | 0.15                                 | 36.3          | 77x115                                   |   |                   | 0.15                                 | 12.5          |  |
| 15000                                   | 90x236            | 0.15                                 | 42.5          | 3300                                     | 64x155                                  |                   | 0.15                                 | 14.6          |  |
| 400 (450)                               | 1000              | 51x75                                | 0.15          |  | 4.6                                     |                   | 77x130                               | 0.15          | 14.5                                     |
|   | 1200              | 51x96                                | 0.15          | 5.6                                      | 3900                                    |                   | 64x195                               | 0.15          | 17.7                                     |
|   | 1500              | 51x115                               | 0.15          | 6.7                                      | 4700                                    |                   | 77x155                               | 0.15          | 18.1                                     |
|   | 1800              | 51x130                               | 0.15          | 7.8                                      | 5600                                    |                   | 77x195                               | 0.15          | 21.9                                     |
|   | 2200              | 64x96                                | 0.15          | 8.3                                      |   |                   | 90x157                               | 0.15          | 21.00                                    |
|   | 2700              | 64x115                               | 0.15          | 9.9                                      | 6800                                    |                   | 90x196                               | 0.15          | 25.40                                    |
|   | 3300              | 64x130                               | 0.15          | 11.6                                     | 8200                                    |                   | 90x196                               | 0.15          | 28                                       |
|   | 3900              | 64x155                               | 0.15          | 13.6                                     | 10000                                   | 90x236            | 0.15                                 | 32.4          |  |