

Jamicon Series : CP

Teapo Series : NV

Non-polar Series



Jamicon



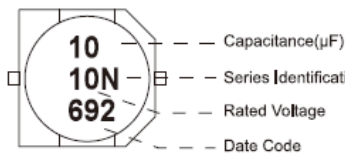
Teapo

- Endurance:105°C 2000 hours
- Recommended Applications:Non-polarized,Low profile vertical chip, 5.5mm height ( $\leq \Phi 6.3$ )
- Corresponding product to RoHS

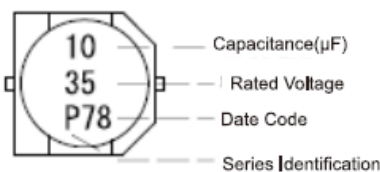
■ Specifications

Item	Characteristics																							
Category Temperature Range	-55 ~ +105°C																							
Rated Voltage Range	6.3 ~ 50VDC																							
Rated Capacitance Range	1~ 47 $\mu$ F																							
Capacitance Tolerance	$\pm 20\%$ at 120Hz , 20°C																							
Leakage Current (20°C)	$I \leq 0.05CV$ or $10 \mu A$ , whichever is greater. (After rated voltage applied for 2 minutes) I : Max. leakage current ( $\mu A$ ), C : Nominal capacitance ( $\mu F$ ), V : Rated voltage (V)																							
Dissipation Factor(MAX) (tan $\delta$ ) (120Hz ,20°C)	Shown in the table of standard rating																							
Low Temperature Stability Impedance Ratio (MAX)	<table border="1"> <thead> <tr> <th rowspan="3">WV Z(120HZ)</th> <th colspan="5">WV</th> </tr> <tr> <th>6.3</th> <th>10</th> <th>25</th> <th>35</th> <th>50</th> </tr> </thead> <tbody> <tr> <td>Z(-25°C) / Z(20°C)</td> <td>4</td> <td>3</td> <td>2</td> <td>2</td> <td>2</td> </tr> <tr> <td>Z(-40°C) / Z(20°C)</td> <td>8</td> <td>6</td> <td>4</td> <td>3</td> <td>3</td> </tr> </tbody> </table>	WV Z(120HZ)	WV					6.3	10	25	35	50	Z(-25°C) / Z(20°C)	4	3	2	2	2	Z(-40°C) / Z(20°C)	8	6	4	3	3
WV Z(120HZ)	WV																							
	6.3		10	25	35	50																		
	Z(-25°C) / Z(20°C)	4	3	2	2	2																		
Z(-40°C) / Z(20°C)	8	6	4	3	3																			
Endurance	After applying rated voltage for 2000Hrs at 105°C, Stay back to 20 °C temperature measurement,the capacitors shall meet the following requirements.(The polarity need to exchange every 250 hours)																							
	<table border="1"> <tbody> <tr> <td>Capacitance Change</td> <td>Within <math>\pm 20\%</math> of the initial value</td> </tr> <tr> <td>Dissipation Factor</td> <td>Not more than 200% of the specified value</td> </tr> <tr> <td>Leakage Current</td> <td>Not more than the specified value</td> </tr> </tbody> </table>	Capacitance Change	Within $\pm 20\%$ of the initial value	Dissipation Factor	Not more than 200% of the specified value	Leakage Current	Not more than the specified value																	
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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. Before the measurement, the capacitor shall be preconditioned by applying voltage according to item 4.1 of JIS C 5101-4.																							

■ MARKING

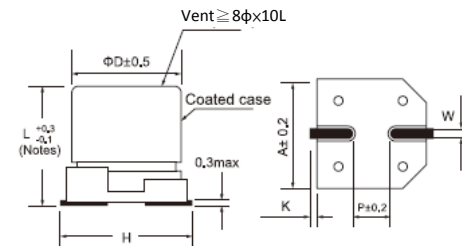


Teapo



Jamicon

■ Dimensions [mm]



( Notes )  $\Phi 8 \sim \Phi 10 \& 6.3 \times 7.7 = L \pm 0.3$

Dimensions	$\Phi D$	L	A	H	W	P	K
B01	4.0	5.4	4.3	5.5 Max	$0.65 \pm 0.1$	1.0	$0.35 + 0.15 / - 0.2$
C01	5.0	5.4	5.3	6.5 Max	$0.65 \pm 0.1$	1.5	$0.35 + 0.15 / - 0.2$
E01	6.3	5.4	6.6	7.8 Max	$0.65 \pm 0.1$	2.1	$0.35 + 0.15 / - 0.2$

■ Multiplier for Ripple Current

Frequency (Hz)	60	120	1K	10K
Coefficient	0.85	1.00	1.10	1.20

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■ STANDARD RATINGS

Rated Voltage (SurageVoltage) (V)	Cap ( $\mu F$ )	Case size $\Phi$ DxL(mm)	$\tan \delta$	Ripple current (mA/rms 105°C) (120Hz)	Rated Voltage (SurageVoltage) (V)	Cap ( $\mu F$ )	Case size $\Phi$ DxL(mm)	$\tan \delta$	Ripple current (mA/rms 105°C) (120Hz)
6.3(8)	22	5x5.4	0.26	29	25(32)	4.7	5x5.4	0.20	21
	33	6.3x5.4	0.26	43		10	6.3x5.4	0.20	28
	47	6.3x5.4	0.26	46	35(44)	2.2	4X5.4	0.20	12
10(13)	10	4X5.4	0.22	25		3.3	5x5.4	0.20	21
	22	6.3x5.4	0.22	39		4.7	5x5.4	0.20	22
	33	6.3x5.4	0.22	43		10	6.3x5.4	0.20	30
16(20)	4.7	4X5.4	0.20	20	50(63)	1.0	4X5.4	0.18	10
	10	5x5.4	0.20	25		2.2	5x5.4	0.18	16
	22	6.3x5.4	0.20	39		3.3	5x5.4	0.18	21
25(32)	3.3	4X5.4	0.20	12		4.7	6.3x5.4	0.18	31