

Jamicon Series : CB

Teapo Series : HV 125°C High temperature Series

■ Endurance: 125°C, 1000~2000 hours

■ Recommended Applications: Automatic Mounting and Reflow Soldering, Industrial, Automobile, Meter

■ Corresponding product to RoHS



Jamicon

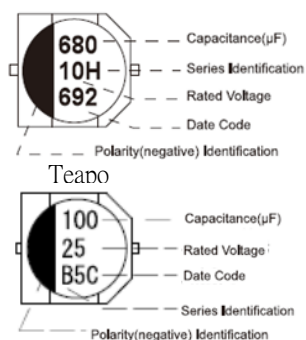


Teapo

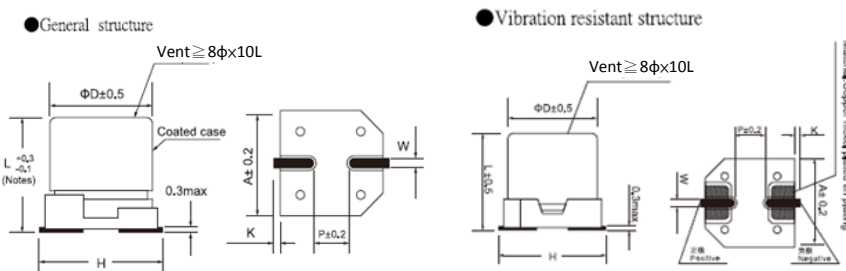
### Specifications

Item	Characteristics																							
Category Temperature Range	-40 ~ +125°C																							
Rated Voltage Range	10 ~ 50VDC																							
Rated Capacitance Range	47~ 1000 $\mu$ F																							
Capacitance Tolerance	$\pm 20\%$ at 120Hz, 20°C																							
Leakage Current (20°C)	$I \leq 0.01CV$ or $3 \mu A$ , 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">Z(120HZ)</th> <th colspan="5">WV</th> </tr> <tr> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> </tr> </thead> <tbody> <tr> <td>Z(-25°C) / Z(20°C)</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> </tr> <tr> <td>Z(-40°C) / Z(20°C)</td> <td>3</td> <td>3</td> <td>3</td> <td>3</td> <td>3</td> </tr> </tbody> </table>	Z(120HZ)	WV					10	16	25	35	50	Z(-25°C) / Z(20°C)	2	2	2	2	2	Z(-40°C) / Z(20°C)	3	3	3	3	3
Z(120HZ)	WV																							
	10		16	25	35	50																		
	Z(-25°C) / Z(20°C)	2	2	2	2	2																		
Z(-40°C) / Z(20°C)	3	3	3	3	3																			
Endurance	After applying rated voltage for 1000~2000hrs at 125°C, Stay back to 20 °C temperature measurement, the capacitors shall meet the following requirements. <table border="1"> <tr> <td>Capacitance Change</td> <td>Within <math>\pm 30\%</math> of the initial value</td> </tr> <tr> <td>Dissipation Factor</td> <td>Not more than 300% of the specified value</td> </tr> <tr> <td>D<math>\Phi</math></td> <td>6.3x7.7-8x6.2 <math>\geq 8 \times 10.2</math></td> </tr> <tr> <td>Life</td> <td>1000hrs 2000hrs</td> </tr> <tr> <td>Leakage Current</td> <td>Not more than the specified value</td> </tr> </table>	Capacitance Change	Within $\pm 30\%$ of the initial value	Dissipation Factor	Not more than 300% of the specified value	D $\Phi$	6.3x7.7-8x6.2 $\geq 8 \times 10.2$	Life	1000hrs 2000hrs	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 125°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



### Dimensions [mm]



(Notes)  $\Phi 8 \sim \Phi 10$  &  $3 \times 7 = 1 + 0.3$

Dimensions	$\Phi D$	L	A	H	W	P	K
E04	6.3	7.7	6.6	7.8 Max	$0.65 \pm 0.1$	2.1	$0.35 + 0.15 / - 0.2$
G02	8.0	6.2	8.3	9.5 Max	$0.65 \pm 0.1$	2.2	$0.35 + 0.15 / - 0.2$
G03	8.0	10.2	8.3	10.0 Max	$0.90 \pm 0.2$	3.1	$0.70 \pm 0.20$
H03	10.0	10.2	10.3	12.0 Max	$0.90 \pm 0.2$	4.6	$0.70 \pm 0.20$

### Multiplier for Ripple Current

Frequency (Hz)	60	120	1K	10K
Coefficient	0.85	1.00	1.20	1.30

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Teapo Series : HV

■ STANDARD RATINGS

Rated Voltage (SurageVoltage) (V)	Cap ( $\mu$ F)	Case size $\Phi$ DxL(mm)	$\tan \delta$ (%)	Ripple current (mA/rms 125°C) (120Hz)	Rated Voltage (SurageVoltage) (V)	Cap ( $\mu$ F)	Case size $\Phi$ DxL(mm)	$\tan \delta$ (%)	Ripple current (mA/rms 125°C) (120Hz)
10(13)	100	8X6.2	0.26	75	35(44)	10	8x6.2	0.14	40
	150	6.3x7.7	0.26	70			8x10.2	0.14	50
		8x6.2	0.26	75		22	6.3x7.7	0.14	70
	220	8x10.2	0.26	130			33	6.3x7.7	0.14
	330	8x10.2	0.26	130		8x6.2		0.14	75
		470	8x10.2	0.26		130	47	6.3x7.7	0.14
	10x10.2		0.26	180		8X6.2		0.14	75
	680	10x10.2	0.26	180		100	8x10.2	0.14	130
1000		10x10.2	0.26	180			8x6.2	0.14	75
16(20)	47	6.3x7.7	0.20	70		8x10.2	0.14	130	
		6.3x7.7	0.20	70		10x10.2	0.14	180	
	100	8x6.2	0.20	75		120	8x10.2	0.14	130
		8x10.2	0.20	130			150	10x10.2	0.14
	220	8x10.2	0.20	130		220		8x10.2	0.14
	330	8x10.2	0.20	180			10x10.2	0.14	180
	470	10x10.2	0.20	180		50(63)	10	8x6.2	0.12
25(32)	47	6.3x7.7	0.18	70	8x10.2			0.12	75
		8x6.2	0.18	75	22		6.3x7.7	0.12	70
	100	6.3x7.7	0.18	70			8x6.2	0.12	75
		8x6.2	0.18	75	33		8x10.2	0.12	130
150	8x10.2	0.18	130	47			8x10.2	0.12	130
	220	8x10.2	0.18		130		82	8x10.2	0.12
10x10.2		0.18	180	100	10x10.2		0.12	180	
330	10x10.2	0.18	180		150		10x10.2	0.12	180
				220			10x10.2	0.12	180