

Jamicon Series : CX

Teapo Series : TV

Large capacitance with ultra low impedance capacitors

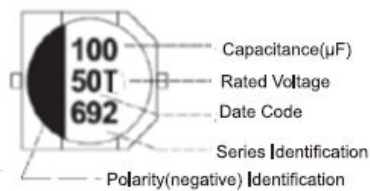
- Endurance:105°C, 2000 hours
- Designed for surface mounting on high density PC board
- Corresponding product to RoHS
- AEC-Q200 compliant : Please contact Jamicon for more details, test data, information



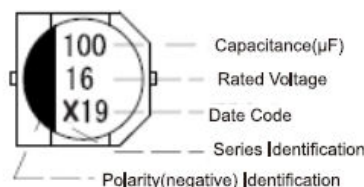
Specifications

Item	Characteristics																					
Category Temperature Range	-55 ~ +105°C																					
Rated Voltage Range	6.3~ 50VDC																					
Rated Capacitance Range	10 ~ 2200 μF																					
Capacitance Tolerance	± 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 (μA), C : Nominal capacitance (μF), V : Rated voltage (V)																					
Dissipation Factor(MAX) (tan δ) (120Hz, 20°C)	Shown in the table of standard rating																					
Low Temperature Stability Impedance Ratio (MAX)	<table border="1"> <thead> <tr> <th>WV Z(120HZ)</th> <th>6.3</th> <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>4</td> <td>3</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> </tr> <tr> <td>Z(-55°C) / Z(20°C)</td> <td>8</td> <td>5</td> <td>4</td> <td>3</td> <td>3</td> <td>3</td> </tr> </tbody> </table>	WV Z(120HZ)	6.3	10	16	25	35	50	Z(-25°C) / Z(20°C)	4	3	2	2	2	2	Z(-55°C) / Z(20°C)	8	5	4	3	3	3
WV Z(120HZ)	6.3	10	16	25	35	50																
Z(-25°C) / Z(20°C)	4	3	2	2	2	2																
Z(-55°C) / Z(20°C)	8	5	4	3	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. <table border="1"> <tbody> <tr> <td>Capacitance Change</td> <td>Within ±30% 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 ±30% 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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Dissipation Factor	Not more than 200% of the specified value																					
Leakage Current	Not more than the specified value																					
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

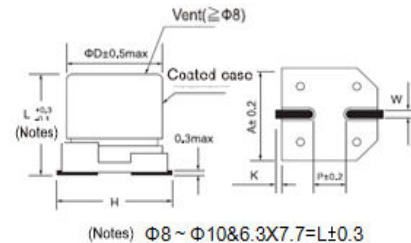


Teapo



Jamicon

Dimensions [mm]



Dimensions	ΦD	L	A	H	W	P	K
E08	6.3	5.8	6.6	7.8 Max	0.65±0.1	2.1	0.35+0.15/-0.2
E04	6.3	7.7	6.6	7.8 Max	0.65±0.1	2.1	0.35+0.15/-0.2
G03	8.0	10.2	8.3	10.0 Max	0.90±0.2	3.1	0.70±0.20
H03	10.0	10.2	10.3	12.0 Max	0.90±0.2	4.6	0.70±0.20

Multiplier for Ripple Current

Frequency (Hz)	50,60	120	1K	100K
≤ 470	0.50	0.65	0.85	1.00
680~2200	0.55	0.70	0.90	1.00

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■ STANDARD RATINGS

Rated Voltage (SurageVoltage) (V)	Cap (μ F)	Case size Φ DxL(mm)	tan δ	Ripple current (mA/rms 105°C 100KHz)	Impedance (Ω,20°C) (100KHz)	Rated Voltage (SurageVoltage) (V)	Cap (μ F)	Case size Φ DxL(mm)	tan δ	Ripple current (mA/rms 105°C 100KHz)	Impedance (Ω,20°C) (100KHz)
6.3(8)	100	6.3x5.8	0.26	300	0.26	25(32)	100	6.3x5.8	0.14	300	0.26
	220	6.3x5.8	0.26	300	0.26			6.3x7.7	0.14	600	0.16
	330	6.3x5.8	0.26	300	0.26		150	6.3x7.7	0.14	600	0.16
	470	6.3x7.7	0.26	600	0.16			8x10.2	0.14	850	0.08
		8x10.2	0.26	850	0.08		220	6.3x7.7	0.14	600	0.16
	680	6.3x7.7	0.26	600	0.16			8x10.2	0.14	850	0.08
	1000	8x10.2	0.26	850	0.08		330	8x10.2	0.14	850	0.08
	1500	8x10.2	0.26	850	0.08			8x10.2	0.14	850	0.08
10x10.2		0.26	1190	0.06	470		10x10.2	0.14	1190	0.06	
2200	10x10.2	0.28	1190	0.06			820	10x10.2	0.14	1190	0.06
10(13)	150	6.3x5.8	0.19	300	0.26	35(44)	47	6.3x5.8	0.12	300	0.26
	220	6.3x5.8	0.19	300	0.26		68	6.3x5.8	0.12	300	0.26
	330	6.3x7.7	0.19	600	0.16			6.3x7.7	0.12	600	0.16
		8x10.2	0.19	850	0.08		100	6.3x5.8	0.12	300	0.26
	470	6.3x7.7	0.19	600	0.16			6.3x7.7	0.12	600	0.16
		8x10.2	0.19	850	0.08		150	6.3x7.7	0.12	600	0.16
	680	8x10.2	0.19	850	0.08			8x10.2	0.12	850	0.08
	1000	8x10.2	0.19	850	0.08		220	8x10.2	0.12	850	0.08
10x10.2		0.19	1190	0.06	8x10.2			0.12	850	0.08	
1500	10x10.2	0.19	1190	0.06	330		10x10.2	0.12	1190	0.06	
16(20)	100	6.3x5.8	0.16	300		0.26	470	10x10.2	0.12	1190	0.06
		6.3x7.7	0.16	600	0.16	560	10x10.2	0.12	1190	0.06	
	150	6.3x5.8	0.16	300	0.26		47	6.3x5.8	0.10	195	0.68
		6.3x7.7	0.16	600	0.16	100		6.3x7.7	0.10	350	0.34
	220	6.3x5.8	0.16	300	0.26	100	8x10.2	0.10	680	0.18	
		6.3x7.7	0.16	600	0.16		220	8x10.2	0.10	680	0.18
	330	6.3x7.7	0.16	600	0.16	10x10.2		0.10	900	0.12	
		8x10.2	0.16	850	0.08	330	10x10.2	0.10	900	0.12	
470	8x10.2	0.16	850	0.08							
680	8x10.2	0.16	850	0.08							
	10x10.2	0.16	1190	0.06							
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