

Jamicon Series : CF

Teapo Series : EV

Ultra Low Impedance Series

■ Endurance:105°C, 2000 hours

■ Recommended Applications: Applying to media (TV, video, audio), monitor /computer, Communication Power industry, car, electricity meter industry, car, electricity meter

■ Corresponding product to RoHS



Jamicon

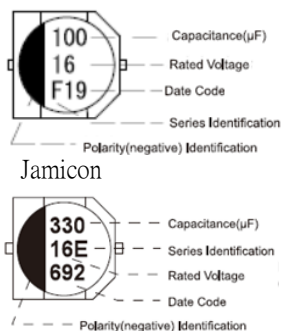


Teapo

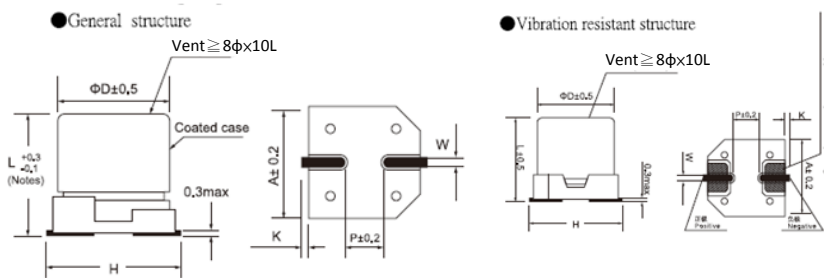
### Specifications

Item	Characteristics																											
Category Temperature Range	-55 ~ +105°C																											
Rated Voltage Range	6.3~ 50VDC																											
Rated Capacitance Range	4.7 ~ 1500 $\mu$ 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="2">WV</th> <th colspan="6">Z(120HZ)</th> </tr> <tr> <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>2</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> <td>3</td> </tr> </tbody> </table>	WV	Z(120HZ)						6.3	10	16	25	35	50	Z(-25°C) / Z(20°C)	2	2	2	2	2	2	Z(-40°C) / Z(20°C)	3	3	3	3	3	3
WV	Z(120HZ)																											
	6.3	10	16	25	35	50																						
Z(-25°C) / Z(20°C)	2	2	2	2	2	2																						
Z(-40°C) / Z(20°C)	3	3	3	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"> <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 200% of the specified value</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 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



### Dimensions [mm]



Teapo

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	$0.35 + 0.15 / - 0.2$
E04	6.3	7.7	6.6	7.8 Max	$0.65 \pm 0.1$	2.1	$0.35 + 0.15 / - 0.2$
G03	8.0	10.2	8.3	10.0 Max	$0.90 \pm 0.2$	3.1	$0.70 \pm 0.20$
G02	8.0	6.2	8.3	9.5 Max	$0.65 \pm 0.1$	2.2	$0.35 + 0.15 / - 0.2$
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)	120	1K	10K	100K
Coefficient	0.70	0.80	0.90	1.00

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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 100KHz)	Impedance ( $\Omega$ ,20°C) (100KHz)	Rated Voltage (SurageVoltage) (V)	Cap ( $\mu$ F)	Case size $\Phi$ DxL(mm)	$\tan \delta$	Ripple current (mA/rms 105°C 100KHz)	Impedance ( $\Omega$ ,20°C) (100KHz)	
6.3(8)	22	4x5.4	0.26	90	1.80	16 (20)	220	8x10.2	0.16	370	0.16	
	33	4x5.4	0.26	90	1.80		330	8x10.2	0.16	600	0.16	
	47	4x5.4	0.26	90	1.80		470	8x10.2	0.16	600	0.16	
		5x5.4	0.26	160	0.76		10x10.2	0.16	650	0.09		
	100	5x5.4	0.26	160	0.76		560	10x10.2	0.16	650	0.09	
		6.3x5.4	0.26	240	0.44	680	10x10.2	0.16	850	0.08		
	150	6.3x5.4	0.26	240	0.44	25 (32)	10	4x5.4	0.14	90	1.80	
		6.3x7.7	0.26	240	0.34		22	5x5.4	0.14	160	0.76	
	220	6.3x7.7	0.26	240	0.34		33	5x5.4	0.14	160	1.00	
		8x6.2	0.26	240	0.34		47	6.3x5.4	0.14	240	0.52	
	330	6.3x7.7	0.26	280	0.34		47	6.3x7.7	0.14	260	0.44	
		8x6.2	0.26	290	0.34		68	6.3x5.4	0.14	240	0.34	
	470	8x10.2	0.26	600	0.16		100	6.3x7.7	0.14	280	0.34	
	680	8x10.2	0.26	600	0.16		8x6.2	0.14	280	0.34		
	1000	8x10.2	0.26	600	0.16		150	8x10.2	0.14	600	0.16	
1500	10x10.2	0.26	850	0.08	220		8x10.2	0.14	600	0.16		
10 (13)	22	4x5.4	0.19	90	1.80		330	8x10.2	0.14	600	0.16	
	33	4x5.4	0.19	90	1.80		470	10x10.2	0.14	850	0.08	
		5x5.4	0.19	160	0.76		35 (44)	4.7	4x5.4	0.12	90	1.80
	47	6.3x5.4	0.19	190	0.44			10	4x5.4	0.12	90	1.80
	100	6.3x5.4	0.19	190	0.44			10	5x5.4	0.12	160	0.76
	150	6.3x5.4	0.19	200	0.44	22		5x5.4	0.12	160	0.76	
		6.3x7.7	0.19	240	0.34	22		6.3x5.4	0.12	200	0.76	
	220	6.3x7.7	0.19	280	0.34	33		6.3x5.4	0.12	240	0.52	
		8x6.2	0.19	280	0.34	47		6.3x5.4	0.12	240	0.44	
	330	8x10.2	0.19	600	0.16	47		6.3x7.7	0.12	280	0.34	
	470	8x10.2	0.19	600	0.16	68		6.3x7.7	0.12	280	0.34	
	680	10x10.2	0.19	600	0.09	100		6.3x7.7	0.12	280	0.34	
	820	10x10.2	0.19	850	0.08	100		8x10.2	0.12	600	0.16	
	1000	10x10.2	0.19	850	0.08	150		8x10.2	0.12	600	0.16	
	1200	10x10.2	0.19	850	0.08	220		8x10.2	0.12	600	0.16	
16 (20)	3.3	4x5.4	0.16	60	1.80	330		10x10.2	0.12	850	0.08	
	10	4x5.4	0.16	90	1.80	50 (63)		10	5x5.4	0.12	120	1.52
	22	4x5.4	0.16	90	1.80		10	6.3x5.4	0.12	165	0.88	
		5x5.4	0.16	160	0.76		22	6.3x5.4	0.12	165	0.88	
	33	5x5.4	0.16	160	1.00		33	6.3x7.7	0.12	185	0.68	
		5x5.4	0.16	160	1.00		47	6.3x7.7	0.12	185	0.68	
	47	6.3x5.4	0.16	240	0.44		47	8x6.2	0.12	185	0.68	
		6.3x5.4	0.16	240	0.44		100	8x10.2	0.12	300	0.34	
	100	6.3x7.7	0.16	280	0.34			100	10x10.2	0.12	670	0.18
		150	6.3x7.7	0.16	280		0.34	150	10x10.2	0.12	670	0.18
	220		6.3x7.7	0.16	280		0.34	220	10x10.2	0.12	670	0.18
		8x6.2	0.16	280	0.34							