

Jamicon Series : CA

Teapo Series : CV

Low leakage current Series

- Endurance:85°C 2000 hours
- Recommended Applications:Low leakage current (0.5 μA to 2.0 μA max.)
- Corresponding product to RoHS



Jamicon



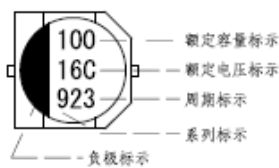
Teapo

■ Specifications

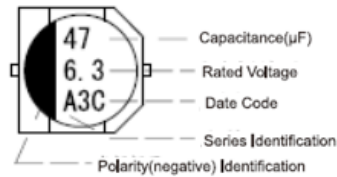
Item	Characteristics																							
Category Temperature Range	-40~ +85°C																							
Rated Voltage Range	6.3 ~ 50VDC																							
Rated Capacitance Range	1~ 100 μF																							
Capacitance Tolerance	± 20 % at 120Hz , 20°C																							
Leakage Current (20°C)	$I \leq 0.002CV$ or $0.5 \mu A$, 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 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 85°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 ±25% 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 ±25% of the initial value	Dissipation Factor	Not more than 200% of the specified value	Leakage Current	Not more than the specified value																	
Capacitance Change	Within ±25% of the initial value																							
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 85°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

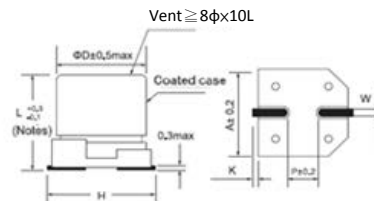
■ Dimensions [mm]



Teapo



Jamicon



(Notes) Φ8 ~ Φ10&6.3X7.7=L±0.3

Dimensions	ΦD	L	A	H	W	P	K
B01	4.0	5.4	4.3	5.5 Max	0.65±0.1	1.0	0.35+0.15/-0.2
C01	5.0	5.4	5.3	6.5 Max	0.65±0.1	1.5	0.35+0.15/-0.2
E01	6.3	5.4	6.6	7.8 Max	0.65±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

Jamicon Series : CA

Teapo Series : CV

■ STANDARD RATINGS

Rated Voltage (SurageVoltage) (V)	Cap (μ F)	Case size Φ DxL(mm)	$\tan \delta$	Ripple current (mA/rms 105°C) (120Hz)	Rated Voltage (SurageVoltage) (V)	Cap (μ F)	Case size Φ DxL(mm)	$\tan \delta$	Ripple current (mA/rms 105°C) (120Hz)
6.3(8)	22	4x5.4	0.24	31	25(32)	4.7	4x5.4	0.14	19
	33	5x5.4	0.24	39		10	5x5.4	0.14	28
	47	5x5.4	0.24	47		22	6.3x5.4	0.14	52
	100	6.3x5.4	0.24	71		33	6.3x5.4	0.14	63
10(13)	22	5x5.4	0.20	35	35(44)	4.7	4x5.4	0.12	20
	33	5x5.4	0.20	43		22	5x5.4	0.12	30
	47	6.3x5.4	0.20	59		33	6.3x5.4	0.12	54
	100	6.3x5.4	0.20	76	50(63)	1.0	4x5.4	0.10	10
10	4x5.4	0.16	25	2.2		4x5.4	0.10	15	
22	5x5.4	0.16	39	3.3		4x5.4	0.10	18	
33	6.3x5.4	0.16	57	4.7		5x5.4	0.10	23	
16(20)	47	6.3x5.4	0.16	68	10	6.3x5.4	0.10	34	