

Jamicon Series : CU

Teapo Series : WV Long Life Series

■ Endurance:105°C, 3000~5000 hours

■ Recommended Applications: Suitable for AV(TV,Video,Audio),Monitor/Computer, Home appliance, OA/HA/Communication,Industrial, Automobile, Meter.

■ Corresponding product to RoHS



Jamicon



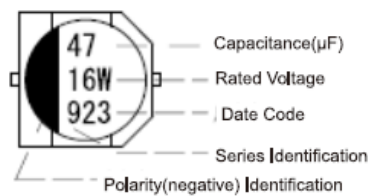
Teapo

■ Specifications

Item	Characteristics																					
Category Temperature Range	-55 ~ +105°C																					
Rated Voltage Range	6.3~ 50VDC																					
Rated Capacitance Range	1 ~ 1000 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 rowspan="3">WV Z(120HZ)</th> <th colspan="6">6.3 10 16 25 35 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>10</td> <td>7</td> <td>5</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)	10	7	5	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)	10	7	5	3	3	3															
Endurance	<p>After applying rated voltage for 3000~5000hrs at 105°C, Stay back to 20 °C temperature measurement, the capacitors shall meet the following requirements.</p> <table border="1"> <tbody> <tr> <td>Capacitance Change</td> <td colspan="2">Within ±30% of the initial value</td> </tr> <tr> <td>Dissipation Factor</td> <td colspan="2">Not more than 200% of the specified value</td> </tr> <tr> <td>Leakage Current</td> <td colspan="2">Not more than the specified value</td> </tr> <tr> <td>DΦ</td> <td>4x5.4~6.3x7.7</td> <td>8x10.2~10x10.2</td> </tr> <tr> <td>Life</td> <td>3000hrs</td> <td>5000hrs</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		DΦ	4x5.4~6.3x7.7	8x10.2~10x10.2	Life	3000hrs	5000hrs						
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Life	3000hrs	5000hrs																				
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

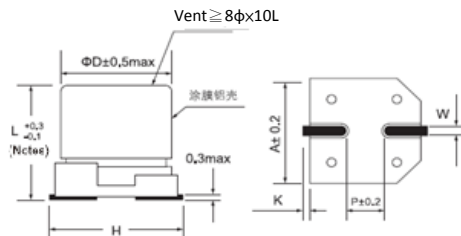
■ Dimensions [mm]



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(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
E04	6.3	7.7	6.6	7.8 Max	0.65±0.1	2.1	0.35+0.15/-0.2
G02	8.0	6.2	8.3	9.5 Max	0.65±0.1	2.2	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)	60	120	1K	10K
Coefficient	0.85	1.00	1.15	1.25

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■ STANDARD RATINGS

Rated Voltage (SurageVoltage) (V)	Cap (μ F)	Case size Φ DxL(mm)	$\tan \delta$	Ripple current (mA/rms 105°C 120KHz)	Rated Voltage (SurageVoltage) (V)	Cap (μ F)	Case size Φ DxL(mm)	$\tan \delta$	Ripple current (mA/rms 105°C 120KHz)
6.3 (8)	22	4x5.4	0.28	23	25 (32)	10	5x5.4	0.16	23
	33	5x5.4	0.28	31		22	6.3x5.4	0.16	39
	47	5x5.4	0.28	38		33	6.3x5.4	0.16	48
	100	6.3x5.4	0.28	65		47	6.3x7.7	0.16	75
	220	6.3x7.7	0.28	120		100	8x10.2	0.16	140
	330	8x10.2	0.28	190		220	10x10.2	0.16	230
	470	10x10.2	0.28	260		330	10x10.2	0.16	290
10 (13)	1000	10x10.2	0.28	380	35 (44)	4.7	4x5.4	0.13	17
	22	5x5.4	0.24	28		10	5x5.4	0.13	25
	33	5x5.4	0.24	34		22	6.3x5.4	0.13	43
	47	6.3x5.4	0.24	47		33	6.3x7.7	0.13	70
	100	6.3x7.7	0.24	85		47	8x10.2	0.13	100
	220	8x10.2	0.24	170		100	10x10.2	0.13	170
	330	10x10.2	0.24	230		220	10x10.2	0.13	260
16 (20)	470	10x10.2	0.24	280	50 (63)	1.0	4x5.4	0.12	7
	10	4x5.4	0.20	18		2.2	4x5.4	0.12	11
	22	5x5.4	0.20	30		3.3	4x5.4	0.12	13
	33	6.3x5.4	0.20	43		4.7	5x5.4	0.12	18
	47	6.3x5.4	0.20	50		10	6.3x5.4	0.12	30
	100	6.3x7.7	0.20	95		22	6.3x7.7	0.12	60
	220	10x10.2	0.20	210		33	8x10.2	0.12	90
	330	10x10.2	0.20	260		47	8x10.2	0.12	120
470	10x10.2	0.20	330	100	10x10.2	0.12	180		