

Jamicon Series : CS

Teapo Series : GV

General purpose Series

■ Endurance:85°C, 2000 hours

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

■ Corresponding product to RoHS

■ AEC-Q200 compliant : Please contact Jamicon for more details, test data, information



Jamicon

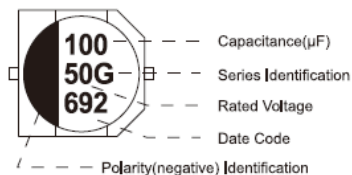


Teapo

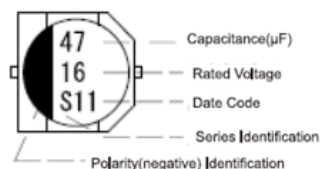
Specifications

Item	Characteristics																																							
Category Temperature Range	-55 ~ +85℃																																							
Rated Voltage Range	4 ~ 100VDC																																							
Rated Capacitance Range	1 ~ 1500 μ F																																							
Capacitance Tolerance	$\pm$ 20 % at 120Hz , 20℃																																							
Leakage Current (20℃)	I $\leq$ 0.01CV or 3 μ A ,whichever is greater. (After rated voltage applied for 2 minutes) I : Max. leakage current (μ A), C : Nominal capacitance (μ F), V : Rated voltage (V)																																							
Dissipation Factor(MAX) (tan δ) (120Hz ,20℃)	Shown in the table of standard rating																																							
Low Temperature Stability Impedance Ratio (MAX)	<table><tr><td>WV Z(120HZ)</td><td>4</td><td>6.3</td><td>10</td><td>16</td><td>25</td><td>35</td><td>50</td><td>63</td><td>100</td></tr><tr><td>Z(-25℃) / Z(20℃)</td><td>7</td><td>4</td><td>3</td><td>2</td><td>2</td><td>2</td><td>2</td><td>2</td><td>2</td></tr><tr><td>Z(-40℃) / Z(20℃)</td><td>15</td><td>8</td><td>6</td><td>4</td><td>4</td><td>3</td><td>3</td><td>3</td><td>3</td></tr></table>										WV Z(120HZ)	4	6.3	10	16	25	35	50	63	100	Z(-25℃) / Z(20℃)	7	4	3	2	2	2	2	2	2	Z(-40℃) / Z(20℃)	15	8	6	4	4	3	3	3	3
	WV Z(120HZ)	4	6.3	10	16	25	35	50	63	100																														
	Z(-25℃) / Z(20℃)	7	4	3	2	2	2	2	2	2																														
	Z(-40℃) / Z(20℃)	15	8	6	4	4	3	3	3	3																														
Endurance	After applying rated voltage for 2000hrs at 85℃,Stay back to 20 ℃ tempei (Notes) $\Phi 8 \sim \Phi 10 \& 6.3 \times 7.7 = L \pm 0.3$ meet the following requirements.																																							
	Capacitance Change		Within $\pm$ 20% 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℃ after exposing them for1,000 hours at 85℃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

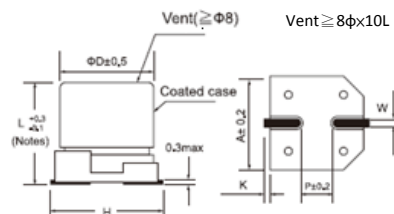


Teapo



Jamicon

Dimensions [mm]



(Notes) $\Phi 8 \sim \Phi 10 \& 6.3 \times 7.7 = L \pm 0.3$

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	0.80	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 85℃) (120Hz)	Rated Voltage (SurageVoltage) (V)	Cap (μ F)	Case size Φ DxL(mm)	$\tan \delta$	Ripple current (mA/rms 85℃) (120Hz)
4(5)	33	4x5.4	0.35	26	25(32)	10	4x5.4	0.14	24
	47	4x5.4	0.35	34			5x5.4	0.14	28
	100	5x5.4	0.35	61			6.3x5.4	0.14	28
	220	6.3x5.4	0.35	82		22	5x5.4	0.14	35
	330	6.3x5.4	0.35	80			6.3x5.4	0.14	55
	470	6.3x7.7	0.35	200		33	5x5.4	0.14	42
6.3(8)	22	4x5.4	0.26	20			6.3x5.4	0.14	65
	33	4x5.4	0.26	22		47	6.3x5.4	0.14	70
	47	4x5.4	0.26	36			6.3x7.7	0.14	96
		5x5.4	0.26	46			8x6.2	0.14	100
	100	5x5.4	0.26	47			100	6.3x5.4	0.14
		6.3x5.4	0.26	71		6.3x7.7		0.14	143
		6.3X7.7	0.26	143		8x6.2		0.14	143
	220	6.3x5.4	0.26	74		8x10.2		0.14	180
		6.3x7.7	0.26	235		180	8x10.2	0.14	210
	330	6.3x7.7	0.26	280		220	8x10.2	0.14	230
		8x6.2	0.26	280			10x10.2	0.14	310
	470	8x6.2	0.26	312		330	8x10.2	0.14	270
		8x10.2	0.26	380			10x10.2	0.14	340
	1000	8x10.2	0.26	500	470	10x10.2	0.14	380	
		1500	10x10.2	0.26	700	35(44)	2.2	4x5.4	0.12
10x10.2	0.26		750	3.3	4x5.4		0.12	10	
10(13)	10	4x5.4	0.20	20	5x5.4		0.12	11	
	22	4x5.4	0.20	28	4.7		4x5.4	0.12	22
		5x5.4	0.20	40	10		4x5.4	0.12	24
	33	4x5.4	0.20	29			5x5.4	0.12	30
		5x5.4	0.20	43	22		5x5.4	0.12	36
	47	5x5.4	0.20	43			6.3x5.4	0.12	60
		6.3X5.4	0.20	66	33		6.3x5.4	0.12	60
	5X5.4	0.20	43	6.3x7.7			0.12	130	
	6.3x5.4	0.20	70	47			6.3x5.4	0.12	70
	6.3x5.4	0.20	86		6.3x7.7		0.12	165	
	220	6.3x5.4	0.20		110		8x6.2	0.12	165
		6.3x7.7	0.20	250	100		6.3x7.7	0.12	140
		8x6.2	0.20	250			8x10.2	0.12	180
	330	8x10.2	0.20	330			10x10.2	0.12	210
	470	8x10.2	0.20	390	220		8x10.2	0.12	200
		10x10.2	0.20	400			10x10.2	0.12	310
	680	8x10.2	0.20	420	150		8x10.2	0.12	180
	1000	10x10.2	0.20	580	330	10x10.2	0.12	350	
16(20)	1	4x5.4	0.16	10	50(63)	1	4x5.4	0.12	10
	4.7	4x5.4	0.16	20		2.2	4x5.4	0.12	16
	10	4x5.4	0.16	28		3.3	4x5.4	0.12	16
		5x5.4	0.16	28		4.7	4x5.4	0.12	18
	22	4x5.4	0.16	28			5x5.4	0.12	23
		5x5.4	0.16	39		10	5x5.4	0.12	27
	4x5.4	0.16	30	6.3x5.4			0.12	36	
	33	5x5.4	0.16	45		22	6.3x5.4	0.12	40
		6.3x5.4	0.16	66			6.3x7.7	0.12	90
		5x5.4	0.16	45			33	6.3x7.7	0.12
	6.3x5.4	0.16	70	8x6.2		0.12		130	
	8x6.2	0.16	85	8x10.2		0.12		150	
	100	6.3x5.4	0.16	70		47		6.3x7.7	0.12
		6.3x7.7	0.16	85			8x6.2	0.12	100
		8x6.2	0.16	140			8x10.2	0.12	190
	220	6.3x7.7	0.16	162		56	8x10.2	0.12	130
		8x10.2	0.16	280		100	8x10.2	0.12	200
	330	8x10.2	0.16	320			10x10.2	0.12	310
		10x10.2	0.16	380			220	10x10.2	0.12
	470	8x10.2	0.16	350	63(79)	4.7	5x5.4	0.12	20
		10x10.2	0.16	420			6.3x5.4	0.12	20
	680	10x10.2	0.16	500		10	6.3x5.4	0.12	20
		10x10.2	0.16	500		22	6.3x7.7	0.12	40
25(32)	4.7	4x5.4	0.14	22					

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Rated Voltage (SurageVoltage) (V)	Cap (μ F)	Case size Φ D $\times$ L(mm)	$\tan \delta$ (%)	Ripple current (mA/rms 85°C) (120Hz)
63(79)	22	8 $\times$ 6.2	0.12	95
		8 $\times$ 10.2	0.12	120
	33	8 $\times$ 10.2	0.12	140
	47	8 $\times$ 10.2	0.12	170
		10 $\times$ 10.2	0.12	190
	100	10 $\times$ 10.2	0.12	280
100(125)	3.3	6.3 $\times$ 7.7	0.10	50
	4.7	6.3 $\times$ 5.4	0.10	40

Rated Voltage (SurageVoltage) (V)	Cap (μ F)	Case size Φ D $\times$ L(mm)	$\tan \delta$ (%)	Ripple current (mA/rms 85°C) (120Hz)
100(125)	4.7	6.3 $\times$ 7.7	0.10	50
		8 $\times$ 10.2	0.10	60
	10	6.3 $\times$ 7.7	0.10	50
		8 $\times$ 10.2	0.10	85
	22	8 $\times$ 10.2	0.10	125
		10 $\times$ 10.2	0.10	150
	33	10 $\times$ 10.2	0.10	180
	47	10 $\times$ 10.2	0.10	210