JAMICON

Surface Mount Aluminium Electrolytic Capacitors

TEAPO

Jamicon Series：CL
Teapo Series：YV

Low Impedance Series

Jamicon Teapo

■ Endurance:105℃, 1000~2000 hours

■Recommended Applications: Suitable for AV(TV,Video,Audio),Monitor/Computer, Battery charger,DC/DC converter,SM

■ Corresponding product to RoHS

■ Specifications

Item	Characteristics
Category Temperature Range	-55 ~ +105℃
Rated Voltage Range	6.3~ 50VDC
Rated Capacitance Range	1 ~ 1500μF
Capacitance Tolerance	± 20 % at 120Hz , 20℃
Leakage Current (20℃)	I≦0.01CV or 3μA ,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) (tanδ) (120Hz ,20℃)	Shown in the table of standard rating

Low Temperature Stability Impedance Ratio (MAX)

WV / Z(120HZ)	6.3	10	16	25	35	50
Z(-25℃) / Z(20℃)	2	2	2	2	2	2
Z(-40℃) / Z(20℃)	4	4	3	3	3	3

Endurance

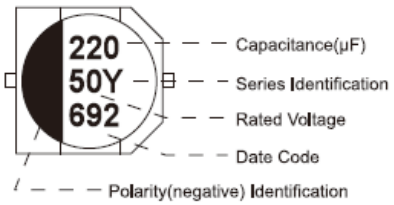
After applying rated voltage for 1000~2000hrs at 105℃,Stay back to 20 ℃ temperature measurement,the capacitors shall meet the following requirements.

Capacitance Change	6.3VF Within ±30% of the initial value,10-50VFWithin ±20% of the initial value
Dissipation Factor	Not more than 200% of the specified value
Leakage Current	Not more than the specified value

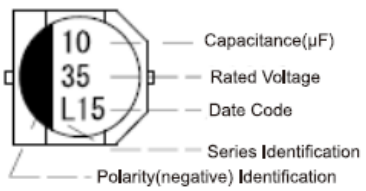
DΦ	4x5.4~6.3x7.7	8x10.2~10x10.2
Life	1000hrs	2000hrs

Shelf Life: The following specifications shall be satisfied when the capacitors are restored to 20℃ after exposing them for1,000 hours at 105℃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



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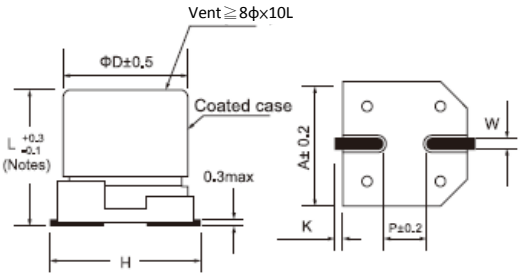
■Dimensions [mm]



(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
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)	120	1K	10K	100K
Coefficient	0.70	0.80	0.90	1.00

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■STANDARD RATINGS

Rated Voltage (SurageVoltage) (V)	Cap (μF)	Case size ΦDxL(mm)	tan δ	Ripple current (mA/rms 105℃ 100KHz)	Impedance (Ω,20℃) (100KHz)
6.3(8)	22	4x5.4	0.26	60	3.0
	33	5x5.4	0.26	95	1.8
	47	5x5.4	0.26	95	1.8
	100	6.3x5.4	0.26	140	1.0
	220	6.3x5.4	0.26	140	1.0
	330	6.3x7.7	0.26	280	0.34
	470	8x10.2	0.35	450	0.3
	680	8x10.2	0.35	450	0.3
	1000	8x10.2	0.35	450	0.3
	1500	10x10.2	0.35	670	0.15
10(13)	22	5x5.4	0.22	95	1.8
	33	5x5.4	0.22	95	1.8
	47	6.3x5.4	0.22	140	1.0
	100	6.3x5.4	0.22	140	1.0
	220	6.3x7.7	0.22	280	0.34
	330	8x10.2	0.26	450	0.3
	470	8x10.2	0.26	450	0.3
	680	10x10.2	0.26	670	0.15
	1000	10x10.2	0.26	670	0.15
16(20)	10	4X5.4	0.16	60	3.0
	22	5X5.4	0.16	95	1.8
	33	6.3x5.4	0.16	140	1.0
	47	6.3x5.4	0.16	140	1.0
	100	6.3x5.4	0.16	140	1.0
	220	6.3x7.7	0.16	280	0.34
	330	8x10.2	0.20	450	0.3
	470	8x10.2	0.20	450	0.3
	680	10x10.2	0.20	670	0.15
25(32)	10	5x5.4	0.14	95	1.8

Rated Voltage (SurageVoltage) (V)	Cap (μF)	Case size ΦDxL(mm)	tan δ	Ripple current (mA/rms 105℃ 100KHz)	Impedance (Ω,20℃) (100KHz)
25(32)	22	6.3x5.4	0.14	140	1.0
	33	6.3x5.4	0.14	140	1.0
	47	6.3x5.4	0.14	140	1.0
	68	6.3x7.7	0.14	280	0.34
	100	6.3x7.7	0.14	280	0.34
	220	8x10.2	0.16	450	0.3
	330	8x10.2	0.16	450	0.3
	470	10x0.2	0.16	670	0.15
35(44)	4.7	4x5.4	0.12	60	3.0
	10	5x5.4	0.12	95	1.8
	22	6.3x5.4	0.12	140	1.0
	33	6.3x5.4	0.12	140	1.0
	47	6.3x5.4	0.12	140	1.0
	68	6.3x7.7	0.12	280	0.34
	100	8x10.2	0.14	450	0.3
	220	8x10.2	0.14	450	0.3
	330	10x10.2	0.14	670	0.15
50(63)	1	4x5.4	0.12	30	5.0
	2.2	4x5.4	0.12	30	5.0
	3.3	4x5.4	0.12	30	5.0
	4.7	5x5.4	0.12	50	3.0
	10	6.3x5.4	0.12	70	2.0
	22	6.3x5.4	0.12	70	2.0
	33	6.3x7.7	0.12	170	1.3
	47	6.3x7.7	0.12	170	1.3
	68	8x10.2	0.12	300	0.6
	100	8x10.2	0.12	300	0.6
	220	10x10.2	0.12	500	0.3