TEAPO

Surface Mount Aluminium Electrolytic Capacitors

ZV Low Impedance

■Endurance:105℃, 1000 hours
■Recommended Applications: Suitable for AV(TV,Video,Audio),Monitor/Computer, Battery charger,DC/DC converter,SMPS,Noise filter
■ Corresponding product to RoHS

■ Specifications

Item	Characteristics
Category Temperature Range	-55 ~ +105℃
Rated Voltage Range	4~ 50VDC
Rated Capacitance Range	1 ~ 1500 μF
Capacitance Tolerance	± 20 % at 120Hz , 20℃
Leakage Current (20℃)	I≦0.01CV or 3 μA ,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℃)	Shown in the table of standard rating

Low Temperature Stability Impedance Ratio (MAX)

WV / Z(120HZ)	4	6.3	10	16	25	35	50
Z(-25℃) / Z(20℃)	4	2	2	2	2	2	2
Z(-40℃) / Z(20℃)	8	4	4	3	3	3	3

Endurance

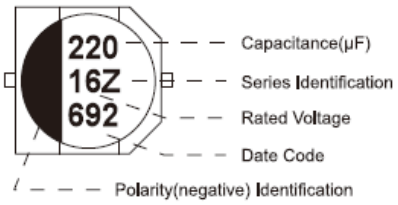
After applying rated voltage for 1000hrs at 105℃,Stay back to 20 ℃ temperature measurement,the capacitors shall meet the following requirements.

Capacitance Change	Within ±20% of the initial value
Dissipation Factor	Not more than 200% of the specified value
Leakage Current	Not more than the specified value

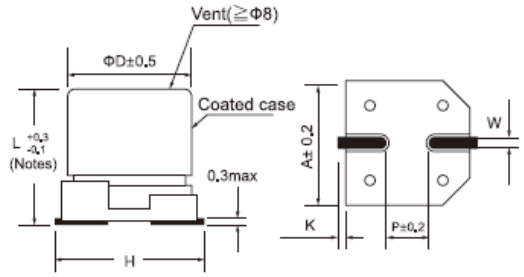
Shelf Life

After placed at 105℃without voltage applied for 1000 hours,Stay back to 20 ℃ temperature measurement, the capacitor shall meet the same requirement as Endurance.

■MARKING



■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	1.8	0.35+0.15/-0.2
E04	6.3	7.7	6.6	7.8 Max	0.65±0.1	1.8	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)	120	1K	10K	100K
Coefficient	0.70	0.80	0.90	1.00

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■STANDARD RATINGS

Rated Voltage (SurageVoltage) (V)	Cap (μ F)	Case size ΦDxL(mm)	tan δ	Ripple current (mA/rms 105℃)	Impedance (Ω,20℃) (100KHz)
4(5)	10	4x5.4	0.35	60	4.0
	22	4x5.4	0.35	60	4.0
	33	4x5.4	0.35	60	4.0
	47	4x5.4	0.35	60	4.0
	68	4x5.4	0.35	60	4.0
	100	5x5.4	0.35	95	3.0
	150	6.3x5.4	0.35	140	2.6
	220	6.3x5.4	0.35	140	2.6
6.3(8)	22	4x5.4	0.26	60	4.0
	33	5x5.4	0.26	95	2.6
	47	5x5.4	0.26	95	2.6
	68	6.3x5.4	0.26	140	1.3
	100	6.3x5.4	0.26	140	1.3
	150	6.3x7.7	0.35	230	0.8
	220	6.3x7.7	0.35	230	0.8
	330	8x10.2	0.35	450	0.5
	470	10x10.2	0.35	670	0.3
	1000	10x10.2	0.35	670	0.3
	1500	10x10.2	0.35	670	0.3
10(13)	10	4x5.4	0.22	60	4
	22	5x5.4	0.22	95	2.6
	33	5x5.4	0.22	95	2.6
	47	6.3x5.4	0.22	95	1.3
	68	6.3x5.4	0.22	140	1.3
	100	6.3x5.4	0.22	140	1.3
	150	6.3x7.7	0.26	230	0.8
	220	6.3x7.7	0.26	230	0.8
	330	8x10.2	0.26	450	0.5
	470	10x10.2	0.26	670	0.3
	1000	10x10.2	0.26	670	0.3
16(20)	10	4x5.4	0.16	60	4.0
	22	5x5.4	0.16	95	2.6
	33	5x5.4	0.16	95	2.6
	47	6.3x5.4	0.16	140	1.3
	68	6.3x7.7	0.20	230	0.8
	100	6.3x5.4	0.20	140	1.3
		6.3x7.7	0.20	230	0.8
		8x6.2	0.20	230	0.8
	150	8x10.2	0.20	450	0.5
	220	8x10.2	0.20	450	0.5
	330	10x10.2	0.20	670	0.3
	470	8x10.2	0.20	450	0.5
		10x10.2	0.20	670	0.3

Rated Voltage (SurageVoltage) (V)	Cap (μ F)	Case size ΦDxL(mm)	tan δ	Ripple current (mA/rms 105℃)	Impedance (Ω,20℃) (100KHz)
25(32)	4.7	4x5.4	0.14	60	4.0
	6.8	4x5.4	0.14	60	4.0
	10	5x5.4	0.14	95	2.6
	22	6.3x5.4	0.14	140	1.3
	33	6.3x5.4	0.14	140	1.3
	47	6.3x5.4	0.14	140	1.3
		6.3x7.7	0.16	230	0.8
	68	8x10.2	0.16	450	0.5
	100	6.3x7.7	0.16	240	0.8
		8x10.2	0.16	450	0.5
	150	6.3x7.7	0.16	240	0.8
	220	10x10.2	0.16	670	0.3
	330	10x10.2	0.16	670	0.3
	470	10x10.2	0.16	670	0.3
35(44)	1	4x5.4	0.12	60	4.0
	2.2	4x5.4	0.12	60	4.0
	3.3	4x5.4	0.12	60	4.0
	4.7	4x5.4	0.12	60	4.0
	6.8	5x5.4	0.12	95	2.6
	10	5x5.4	0.12	95	2.6
	22	6.3x5.4	0.12	140	1.3
	33	6.3x7.7	0.14	230	0.8
	47	6.3x5.4	0.14	170	1.1
		6.3x7.7	0.14	230	0.8
		8x6.2	0.14	230	0.8
	68	8x10.2	0.14	450	0.5
	100	10x10.2	0.14	670	0.3
	220	10x10.2	0.14	670	0.3
	330	10x0.2	0.14	670	0.3
50(63)	1	4x5.4	0.12	60	5.0
	2.2	4x5.4	0.12	60	5.0
	3.3	4x5.4	0.12	60	5.0
	4.7	5x5.4	0.12	95	4.0
	6.8	6.3x5.4	0.12	140	2.6
	10	6.3x5.4	0.12	140	2.6
	22	6.3x7.7	0.12	230	1.3
	33	8x10.2	0.12	300	1.1
	47	8x10.2	0.12	300	1.1
		10x10.2	0.12	670	0.8
	68	10x10.2	0.12	670	0.8
	100	8x10.2	0.12	450	1.1
		10x10.2	0.12	670	0.8
	220	10x10.2	0.12	670	0.8