TEAPO

Surface Mount Aluminium Electrolytic Capacitors

SV General purpose Series

- Endurance:105℃, 1000 hours
- Recommended Applications: Suitable for AV(TV,Video,Audio),Monitor/Computer, Home appliance, OA/HA/Communication
- Corresponding product to RoHS

Specifications

Item	Characteristics
Category Temperature Range	-55 ~ +105℃
Rated Voltage Range	4 ~ 100VDC
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	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

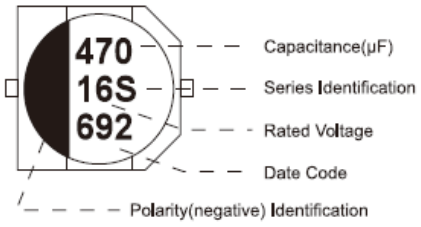
After applying rated voltage for 1000hrs at 105℃,Stay back to 20 ℃ temperature measurement,the capacitors shall meet the following requirements.

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

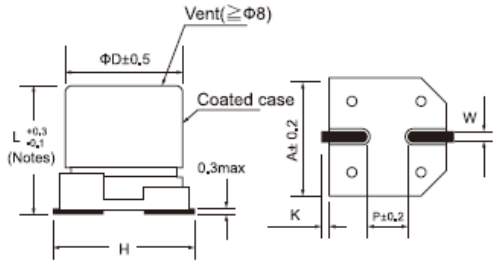
Shelf Life

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
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 ΦDxL(mm)	tan δ	Ripple current (mA/rms 105℃) (120KHz)
4(5)	22	4x5.4	0.35	20
	33	4x5.4	0.35	26
	47	4x5.4	0.35	34
	100	5x5.4	0.35	61
	220	6.3x5.4	0.35	82
6.3(8)	22	4x5.4	0.30	29
	33	4x5.4	0.30	43
	47	4x5.4	0.30	43
		5x5.4	0.30	46
	100	5x5.4	0.35	47
		6.3x5.4	0.35	71
	220	6.3x5.4	0.35	74
		6.3x7.7	0.35	120
	330	6.3x7.7	0.35	175
		8X10.2	0.35	230
	470	8x10.2	0.35	300
	1000	8x10.2	0.35	300
		10x10.2	0.35	400
	1500	10x10.2	0.35	480
10(13)	10	4x5.4	0.30	24
	22	4x5.4	0.30	36
	33	4x5.4	0.30	45
		5x5.4	0.30	46
	47	5x5.4	0.30	46
		6.3X5.4	0.30	70
	100	6.3x5.4	0.30	71
		6.3X7.7	0.30	110
	150	6.3X5.4	0.30	86
	220	6.3x7.7	0.3	115
		8X10.2	0.26	160
	330	8x10.2	0.26	200
	470	8x10.2	0.26	230
		10x10.2	0.26	270
	1000	10x10.2	0.26	390
16(20)	4.7	4x5.4	0.16	20
	10	4x5.4	0.16	28
	22	4X5.4	0.16	28
		5x5.4	0.16	39
	33	5x5.4	0.20	39
		6.3x5.4	0.20	65
	47	5x5.4	0.20	39
		6.3x5.4	0.20	70
	100	6.3x5.4	0.20	70
		6.3x7.7	0.20	130
	220	6.3x7.7	0.20	105
		8x10.2	0.20	150
	330	8x10.2	0.20	170
		10x10.2	0.20	230
	470	8x10.2	0.20	230
		10x10.2	0.20	340
	680	10x10.2	0.20	380
25(32)	4.7	4x5.4	0.14	22
	10	4x5.4	0.14	22
		5x5.4	0.14	28
	22	5x5.4	0.14	35

Rated Voltage (SurageVoltage) (V)	Cap (μ F)	Case size ΦDxL(mm)	tan δ	Ripple current (mA/rms 105℃) (120KHz)
25(32)	22	6.3x5.4	0.14	55
	33	5x5.4	0.14	45
		6.3x5.4	0.16	65
	47	6.3x5.4	0.16	71
		6.3x7.7	0.16	91
	100	6.3x7.7	0.16	95
		8x10.2	0.16	130
	220	8x10.2	0.16	160
		10x10.2	0.16	273
	330	8x10.2	0.16	180
		10x10.2	0.16	340
	470	10x10.2	0.16	360
35(44)	2.2	4x5.4	0.12	15
	3.3	4x5.4	0.12	18
	4.7	4x5.4	0.12	22
	10	4x5.4	0.12	25
		5x5.4	0.12	30
	22	5x5.4	0.14	35
		6.3x5.4	0.14	60
	33	6.3x5.4	0.14	60
		6.3x7.7	0.14	84
	47	6.3X5.4	0.14	60
		6.3x7.7	0.14	84
		8X10.2	0.14	98
	100	6.3x7.7	0.14	105
		8X10.2	0.14	120
	220	8x10.2	0.14	170
		10x10.2	0.14	240
	330	10x10.2	0.14	250
50(63)	1	4x5.4	0.12	10
	2.2	4x5.4	0.12	16
	3.3	4x5.4	0.12	16
	4.7	5x5.4	0.12	23
	10	6.3x5.4	0.12	35
	22	6.3x7.7	0.12	65
	33	6.3x7.7	0.12	70
		8x10.2	0.12	91
	47	6.3x7.7	0.12	75
		8x10.2	0.12	95
	100	8x10.2	0.12	110
		10x10.2	0.12	145
	220	10x10.2	0.12	210
63(79)	4.7	6.3x5.4	0.18	20
	10	6.3x5.4	0.18	20
	22	8x10.2	0.18	30
	33	8x10.2	0.18	30
	47	8x10.2	0.18	45
	100	10x10.2	0.18	60
100(125)	3.3	8X10.2	0.18	30
	4.7	8X10.2	0.18	50
	10	8X10.2	0.18	55
	22	10X10.2	0.18	60
	33	10X10.2	0.18	65
	47	10x10.2	0.18	65