TEAPO

Surface Mount Aluminium Electrolytic Capacitors

DV General purpose Series

- Endurance:105℃, 2000 hours
- Recommended Applications: Suitable for AV(TV,Video,Audio),Monitor/Computer, Home appliance, OA/HA/Communication,Industrial, Automobile, Meter.
- Corresponding product to RoHS

Specifications

Item	Characteristics		
Category Temperature Range	-55 ~ +105℃		-25 ~ +105℃
Rated Voltage Range	6.3 ~100VDC		160~450VDV
Rated Capacitance Range	1~ 2200 μF		
Capacitance Tolerance	± 20 % (120Hz , 20℃)		
Leakage Current (20℃)	4~10Φ	12.5~16Φ	12.5~16Φ
	I≦0.01CV or 3(μA),whichever is greater.	I≦0.03CV or 4(μA),whichever is greater.	I≦0.04CV+100 uA
	(After rated voltage applied for 2 minutes)		(After rated voltage applied for 2 minutes)
	I= Leakage Current (μA) C= Nominal Capacitance (μF) V= Rated Voltage (V)		
Dissipation Factor(MAX) (tan δ) (120Hz ,20℃)	Shown in the table of standard ratings		

Low Temperature Stability Impedance Ratio (MAX)

WV / Z(120HZ)	6.3	10	16	25	35~100	160~450
Z(-25℃) / Z(20℃)	4	3	2	2	2	4
Z(-40℃) / Z(20℃)	8	6	4	4	3	—

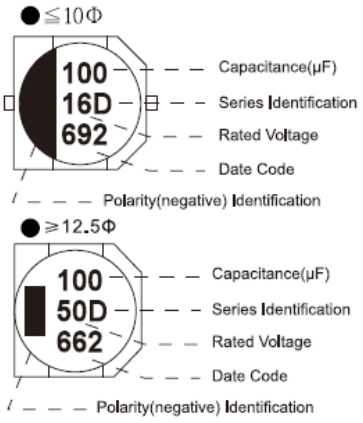
Endurance

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

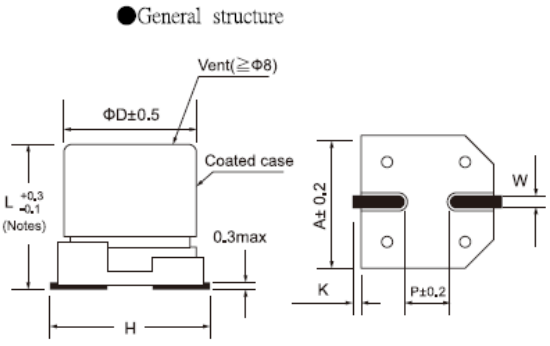
Case (Φ)	4~6.3Φ	8~12.5Φ
Capacitance Change	Within ±25% of the initial value	Within ±20% of the initial value
Dissipation Factor	Not more than 200% of the specified value	
Leakage Current	Not more than the specified value	

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

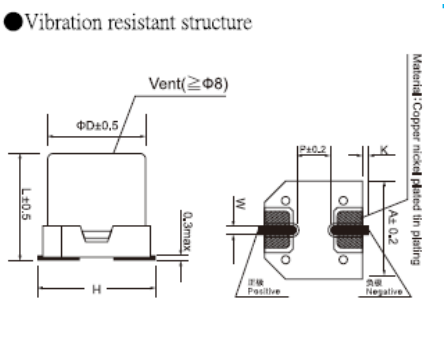


■Dimensions [mm]



(Notes) Φ8～Φ10&6.3X7.7=L±0.3

Φ12.5=L±1.0



(Notes) Φ12.5=L±1.0

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
K05	12.5	13.5	10.3	15.0 Max	1.20±0.2	4.4	0.70±0.30
K06	12.5	16	10.3	15.0 Max	1.20±0.2	4.4	0.70±0.30
M06	16.0	16.5	10.3	19.0 Max	1.20±0.2	6.4	0.70±0.30

■ Multiplier for Ripple Current

Frequency (Hz)	60	120	1K	10K
Coefficient	0.85	1.00	1.15	1.25

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Rated Voltage (SurageVoltage) (V)	Cap (μF)	Case size ΦDxL(mm)	tan δ	Ripple current (mA/rms 105℃) (120Hz)
6.3(8)	22	4x5.4	0.30	26
	33	4x5.4	0.30	29
	47	4x5.4	0.30	31
		5x5.4	0.30	46
	100	5x5.4	0.30	47
		6.3x5.4	0.30	71
	220	6.3x5.4	0.35	80
		6.3x7.7	0.35	120
	330	6.3x7.7	0.35	140
		8x6.2	0.35	140
		8x10.2	0.35	290
	470	8x10.2	0.35	290
		10x10.2	0.35	380
	1000	8x10.2	0.35	290
		10x10.2	0.35	410
	1500	10x10.2	0.35	460
	2200	12.5x13.5	0.35	680
10(13)	10	4x5.4	0.22	20
	22	4x5.4	0.22	23
	33	4x5.4	0.22	26
		5x5.4	0.22	45
	47	5x5.4	0.22	60
		6.3x5.4	0.22	70
	100	5x5.4	0.30	60
		6.3x5.4	0.30	71
		6.3x7.7	0.30	110
	220	6.3x7.7	0.30	120
		8x6.2	0.30	120
		8x10.2	0.26	260
	330	6.3x7.7	0.30	200
		8x10.2	0.30	290
	470	8x10.2	0.30	320
		10x10.2	0.26	380
	680	8x10.2	0.30	360
	1000	10x10.2	0.26	410
	2200	12.5x13.5	0.30	680
16(20)	10	4x5.4	0.16	28
	22	4x5.4	0.16	29
		5x5.4	0.16	39
	33	5x5.4	0.16	40
	47	5x5.4	0.16	42
		6.3x5.4	0.16	70
	100	6.3x5.4	0.20	71
		6.3x7.7	0.20	130
	220	6.3x7.7	0.20	130
		8x6.2	0.20	130
		8x10.2	0.20	150
		10x10.2	0.20	210
	330	10x10.2	0.20	230
	470	8x10.2	0.20	240
		10x10.2	0.20	380
	1000	12.5x13.5	0.34	550
	2200	16x16.5	0.34	900
25(32)	3.3	4x5.4	0.14	18
	4.7	4x5.4	0.14	22
	6.8	4x5.4	0.14	25
	10	4x5.4	0.14	25
		5x5.4	0.14	28
	22	5x5.4	0.14	28
		6.3x5.4	0.14	55
	33	6.3x5.4	0.14	65
	47	6.3x5.4	0.16	65

Rated Voltage (SurageVoltage) (V)	Cap (μF)	Case size ΦDxL(mm)	tan δ	Ripple current (mA/rms 105℃) (120Hz)
25(32)	47	6.3x7.7	0.16	91
	100	6.3x7.7	0.16	100
		8x6.2	0.16	100
		8x10.2	0.16	230
	220	8x10.2	0.16	270
		10x10.2	0.16	310
	330	8x10.2	0.16	290
		10x10.2	0.16	340
	470	10x10.2	0.16	380
	1000	12.5x13.5	0.26	510
	1500	12.5x16	0.26	590
	2200	16x16.5	0.26	900
35(44)	4.7	4x5.4	0.12	22
	6.8	4x5.4	0.12	25
	10	5x5.4	0.12	30
	22	5x5.4	0.14	35
		6.3x5.4	0.14	60
	33	6.3x7.7	0.14	80
		8x6.2	0.14	80
	47	6.3x5.4	0.14	60
		6.3x7.7	0.14	100
		8x10.2	0.14	210
	100	6.3x7.7	0.14	105
		8x10.2	0.14	240
		10x10.2	0.14	310
		12.5x13.5	0.14	390
	220	8x10.2	0.14	260
		10x10.2	0.14	350
	330	10x10.2	0.14	370
	470	12.5x13.5	0.22	520
	680	12.5x13.5	0.22	590
	1000	16x16.5	0.22	800
	1500	16x16.5	0.22	1000
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
	6.8	5x5.4	0.12	30
	10	5x5.4	0.12	35
		6.3x5.4	0.12	40
	22	6.3x5.4	0.12	42
		6.3x7.7	0.12	65
	33	6.3x7.7	0.12	91
		8x6.2	0.12	110
	47	6.3x7.7	0.12	110
		8x6.2	0.12	110
		8x10.2	0.12	210
	100	8x10.2	0.12	240
		10x10.2	0.12	320
	150	10x10.2	0.12	300
	220	10x10.2	0.12	330
	330	12.5x13.5	0.16	490
	470	12.5x16	0.18	550
	1000	16x16.5	0.18	800
100(125)	10	6.3x7.7	0.18	50
	22	8x10.2	0.18	100
	33	8x10.2	0.18	120
		10x10.2	0.18	150
	47	10x10.2	0.18	170
		12.5x13.5	0.18	250
	100	12.5x13.5	0.18	300

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Rated Voltage (SurageVoltage) (V)	Cap (μF)	Case size ΦDxL(mm)	tan δ (%)	Ripple current (mA/rms 105℃) (120Hz)
160(200)	33	12.5x13.5	0.20	95
	47	16x16.5	0.20	240
	100	16x16.5	0.20	250
200(250)	10	12.5x13.5	0.20	80
	22	12.5x16	0.20	110
	33	12.5x16	0.20	120
	47	16x16.5	0.20	220
250(300)	3.3	12.5x13.5	0.20	60
	4.7	12.5x13.5	0.20	65
	10	12.5x13.5	0.20	70
	22	12.5x13.5	0.20	105

Rated Voltage (SurageVoltage) (V)	Cap (μF)	Case size ΦDxL(mm)	tan δ (%)	Ripple current (mA/rms 105℃) (120Hz)
250(300)	33	16x16.5	0.20	180
	47	16x16.5	0.20	220
400（450）	3.3	12.5x13.5	0.25	40
	4.7	12.5x13.5	0.25	45
	10	12.5x13.5	0.25	50
	22	16x16.5	0.25	85
	33	16x16.5	0.25	85
450（500）	3.3	12.5x13.5	0.25	40
	4.7	12.5x13.5	0.25	45
	10	12.5x16	0.25	75
	22	16x16.5	0.25	85