TEAPO

Surface Mount Aluminium Electrolytic Capacitors

HV 125℃ High temperature

- Endurance:125℃, 1000~2000 hours
- Recommended Applications: Automatic Mounting and Reflow Soldering,Industrial, Automobile, Meter
- Corresponding product to RoHS

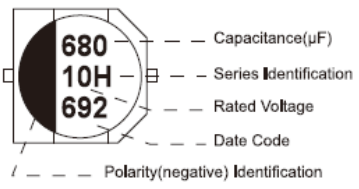
Specifications

Item	Characteristics
Category Temperature Range	-40 ~ +125℃
Rated Voltage Range	10 ~ 50VDC
Rated Capacitance Range	47~ 1000μF
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) (tan δ) (120Hz ,20℃)	Shown in the table of standard rating
Low Temperature Stability Impedance Ratio (MAX)	WV / Z(120HZ): 10 / 16 / 25 / 35 / 50 Z(-25℃) / Z(20℃): 2 / 2 / 2 / 2 / 2 Z(-40℃) / Z(20℃): 3 / 3 / 3 / 3 / 3
Endurance	After applying rated voltage for 1000~2000hrs at 125℃,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	
DΦ	6.3x7.7-8x6.2	≧8x10.2
Life	1000hrs	2000hrs
Leakage Current	Not more than the specified value	

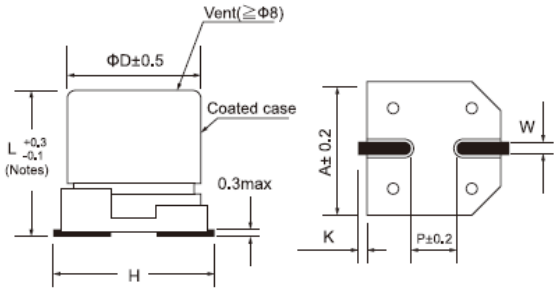
Shelf Life	After placed at 125℃without voltage applied for 1000 hours,Stay back to 20 ℃ temperature measurement, the capacitor shall meet the same requirement as Endurance.

MARKING



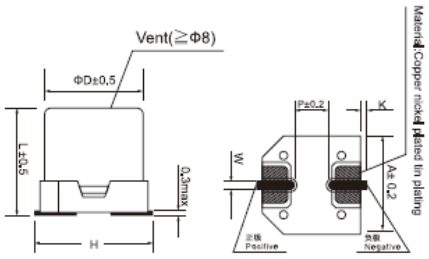
Dimensions [mm]

●General structure



(注) Φ8～Φ10&6.3X7.7=L±0.3

●Vibration resistant structure



(注) ≧Φ12.5=L±1.0

Dimensions	ΦD	L	A	H	W	P	K
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

HV

125℃ High temperature

■STANDARD RATINGS

Rated Voltage (SurageVoltage) (V)	Cap (μF)	Case size ΦDxL(mm)	tan δ (%)	Ripple current (mA/rms 125℃) (120Hz)
10(13)	100	8X6.2	0.26	75
	150	6.3x7.7	0.26	70
		8x6.2	0.26	75
	220	8x10.2	0.26	130
	330	8x10.2	0.26	130
	470	8x10.2	0.26	130
		10x10.2	0.26	180
	680	10x10.2	0.26	180
	1000	10x10.2	0.26	180
16(20)	47	6.3x7.7	0.20	70
	100	6.3x7.7	0.20	70
		8x6.2	0.20	75
	150	8x10.2	0.20	130
	220	8x10.2	0.20	130
	330	8x10.2	0.20	180
	470	10x10.2	0.20	180
25(32)	47	6.3x7.7	0.18	70
		8x6.2	0.18	75
	100	6.3x7.7	0.18	70
		8x6.2	0.18	75
		8x10.2	0.18	130
	150	8x10.2	0.18	130
	220	8x10.2	0.18	130
		10x10.2	0.18	180
	330	10x10.2	0.18	180

Rated Voltage (SurageVoltage) (V)	Cap (μF)	Case size ΦDxL(mm)	tan δ (%)	Ripple current (mA/rms 125℃) (120Hz)
35(44)	10	8x6.2	0.14	40
		8x10.2	0.14	50
	22	6.3x7.7	0.14	70
	33	6.3x7.7	0.14	70
		8x6.2	0.14	75
	47	6.3x7.7	0.14	70
		8X6.2	0.14	75
		8x10.2	0.14	130
	100	8x6.2	0.14	75
		8x10.2	0.14	130
		10x10.2	0.14	180
	120	8x10.2	0.14	130
	150	10x10.2	0.14	180
	220	8x10.2	0.14	130
		10x10.2	0.14	180
50(63)	10	8x6.2	0.12	70
		8x10.2	0.12	75
	22	6.3x7.7	0.12	70
		8x6.2	0.12	75
	33	8x10.2	0.12	130
	47	8x10.2	0.12	130
	82	8x10.2	0.12	130
	100	10x10.2	0.12	180
	150	10x10.2	0.12	180
	220	10x10.2	0.12	180