

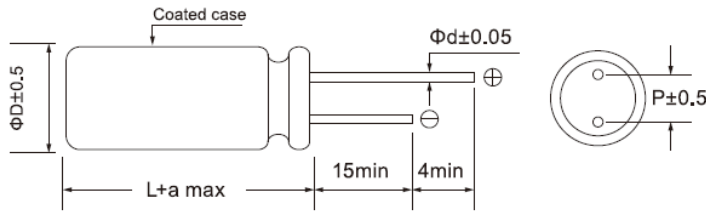
- Endurance:105°C,3000hrs
- Recommended Applications:8mm height & Ultra low ESR Series
- Corresponding product to RoHS



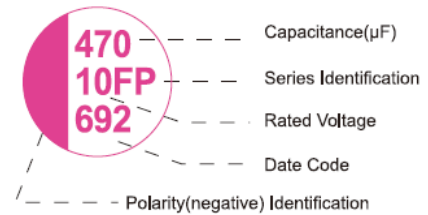
Dimensions, Rated Ripple Current, Equivalent Series Resistance

Item	Characteristics		
Category Temperature Range	-55 ~ +105°C		
Rated Voltage Range	2.5~25VDC		
Rated Capacitance Range	10~ 1200 μF		
Capacitance Tolerance	± 20 % (120Hz , 20°C)		
Surge Voltage	Rated voltage (V) x 1.15		
Leakage Current (20°C)	I ≤ 0.2CV or 300(μ A) whichever is greater (After rated voltage applied for 2 minutes) I : Leakage Current (μ A) C : Capacitance(μ F) V : Rated Voltage Range(VDC)		
Dissipation Factor (MAX) (tan δ) (120Hz ,20°C)	WV	2.5~10	16~25
	tan δ	0.08	0.12
Temperature characteristic Impedance ratio (MAX)	Z(100KHz) / WV	2.5 ~ 25V	
	Z-25°C / Z+20°C	≤ 1.15	
	Z-55°C / Z+20°C	≤ 1.25	
Endurance	After applying rated voltage for 3000 hours at 105°C , the capacitor shall meet the following requirement °		
	Appearance	No significant damage	
	Capacitance Change	Within ±20% of the initial value	
	Dissipation Factor	Not more than 150% of the initial specified value	
	Equivalent Series Resistance	Not more than 150% of the initial specified value	
Leakage Current	Not more than the initial specified value		
Humidity Test	after subjecting 90 to 95% RH for 1000 hours at 60°C , the capacitors shall meet the requirement as Endurance °		
Surge voltage test	After subjecting to 1000 cycles each consisting of charge with the surge voltage specified at normal temperature for 30 seconds through a protective resistor and discharge for 5 minutes 30 seconds,the capacitors shall meet the requirement as Endurance		
Failure rate(MAX)	1%per 1,000 hours(confidence level 60% at 105°C)		

Diagram of Dimensions



Marking : case with red printing



SIZE	ΦD x L	P	φ d	a
E08	6.3x8	2.5	0.6	1.0
G08	8x8	3.5	0.6	1.5

Multiplier for Ripple Current

Frequency(HZ)	120 ≤ F < 1K	1K ≤ F < 10K	10K ≤ F < 100K	100K ≤ F ≤ 500K
Coefficient	0.05	0.30	0.70	1.00

■Dimensions, Rated Ripple Current, Equivalent Series Resistance

Rated (Surge) Voltage(V)	Capacitance (μ F)	SIZE Φ DxL(mm)	RIPPLE (mA/rms, 105°C 100kHz)	ESR (m Ω , 20°C 100kHz)
2.5 (2.88)	560	6.3x8	4200	8
		8x8	5600	8
	820	6.3x8	4200	8
		8x8	5600	8
		8x8	5600	8
	6.3 (7.25)	470	6.3x8	4200
8x8			5600	8
560		6.3x8	4200	8
		8x8	5600	8
		8x8	5600	8
10 (11.5)		220	6.3x8	2820
	8x8		3500	11
	270	6.3x8	2820	25
		6.3x8	2820	25
	330	6.3x8	2820	25
		8x8	3500	11

Rated (Surge) Voltage(V)	Capacitance (μ F)	SIZE Φ DxL(mm)	RIPPLE (mA/rms, 105°C 100kHz)	ESR (m Ω , 20°C 100kHz)
10 (11.5)	470	8x8	3500	11
	560	8x8	5000	10
16(18.4)	100	6.3x8	2820	25
	150	6.3x8	2820	25
	220	6.3x8	2820	25
	270	8x8	3500	11
	330	8x8	3500	11
	470	8x8	4200	11
25 (28.75)	560	8x8	4200	11
	10	6.3x8	1200	80
	22	6.3x8	1650	35
	33	6.3x8	1650	35
	56	8x8	1980	35
	68	8x8	1980	35