

- Endurance: 105°C, 2000hrs
- Recommended Applications: High ripple & low ESR Series
- Corresponding product to RoHS

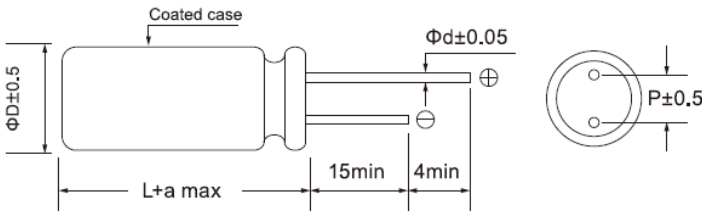


Specifications

Item	Characteristics	
Category Temperature Range	-55 ~ +105°C	
Rated Voltage Range	2.5~6.3VDC	
Rated Capacitance Range	270~ 2700 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	2.5~6.3
	tan δ	0.10
Temperature characteristic Impedance ratio (MAX)	Z(100KHz) / WV	2.5 ~ 6.3V
	Z-25°C / Z+20°C	≤ 1.15
	Z-55°C / Z+20°C	≤ 1.25
Endurance	After applying rated voltage for 2000 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
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	
Failure rate(MAX)	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	
	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	0.5or0.6	1.0
E11	6.3x11	2.5	0.5	1.0
G08	8X8	3.5	0.6	1.5
G1B	8X11.5	3.5	0.6	1.0
H1C	10X12.5	5.0	0.6	1.0

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 D x L(mm)	RIPPLE (mA/rms, 105°C 100kHz)	ESR (m Ω , 20°C 100kHz)	Rated (Surge) Voltage(V)	Capacitance (μ F)	SIZE Φ D x L(mm)	RIPPLE (mA/rms, 105°C 100kHz)	ESR (m Ω , 20°C 100kHz)
2.5 (2.88)	560	6.3x8	5000	7	4 (4.6)	1200	8x8	6100	7
		8x8	6100	7		1500	8x11.5	6100	7
	680	8x8	6100	7		1800	10x12.5	6500	9
		8x11.5	6100	7	6.3 (7.25)	270	6.3x8	4700	8
	820	6.3x8	5000	7		330	6.3x8	4700	8
		8x8	6100	7		470	6.3x8	4700	8
	1000	8x11.5	6100	7		8x8	5700	8	
		8x8	6100	7		560	6.3x8	4700	8
	1500	8x11.5	6100	7		8x8	5700	8	
		8x11.5	6100	7		680	8x8	5700	8
2700	10x12.5	5600	8	8x11.5		5700	7		
	560	6.3x8	5000	7		820	8x8	5700	8
8x8		6100	7	8x11.5		5700	7		
8x11.5		6100	7	1000	8x8	5700	8		
680	8x8	6100	7		8x11.5	5700	7		
	8x11.5	6100	7	10x12.5	6100	7			
1000		8x8	6100	7	1500	8x11.5	5700	7	
	8x11.5	6100	7	10x12.5		6100	7		
	10x12.5	6100	7						