

Jamicon Series : FC

Teapo Series : FC Long Life 15000hrs Series

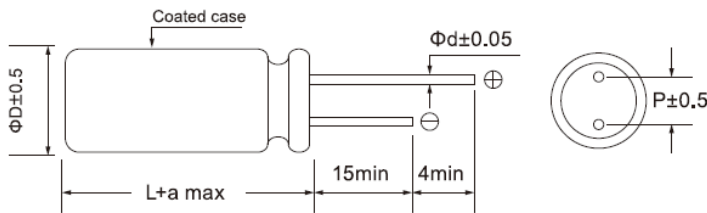
- Endurance: 105°C,15000hrs
- Recommended Applications:Long Life 15000hrs Series
- Corresponding product to RoHS



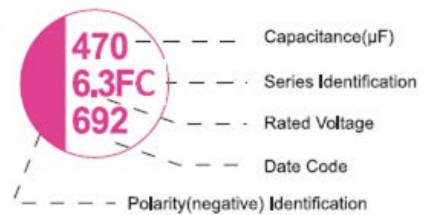
Specifications

Item	Characteristics	
Category Temperature Range	-55 ~ +105°C	
Rated Voltage Range	6.3~80VDC	
Rated Capacitance Range	10~2200 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	6.3~80
	tan δ	0.12
Temperature characteristic Impedance ratio (MAX)	Z(100KHz) \ WV	6.3 ~ 80V
	Z-25°C / Z+20°C	≤ 1.15
	Z-55°C / Z+20°C	≤ 1.25
Endurance	After applying rated voltage for 15000 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 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)	0.5%per 1,000 hours(confidence level 60% at 105°C)	

Diagram of Dimensions



Marking : case with red printing



尺寸代码	Φ D x L	P	Φ d	a
C07	5x7	2.0	0.5	1.5
D09	5x9	2.5	0.5	1.0
E01	6.3x5.4	2.5	0.45	1.0
E06	6.3x6	2.5	0.5	1.5
E08	6.3x8	2.5	0.6	1.0
E11	6.3x11	2.5	0.5	1.0
G08	8x8	3.5	0.6	1.0
G1B	8x11.5	3.5	0.6	1.0
G15	8x15	3.5	0.6	1.5
H1A	10x10.5	5.0	0.6	1.0
H1C	10x12.5	5.0	0.6	1.0
H16	10x16	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

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■Dimensions, Rated Ripple Current, Equivalent Series Resistance

Rated (Surge) Voltage(V)	Capacitance (μ F)	SIZE Φ D \times L(mm)	RIPPLE (mA/rms, 105°C 100KHz)	ESR (m Ω , 20°C 100KHz)
6.3(7.25)	270	5x7	2500	25
	330	6.3x5.4	1500	45
	560	6.3x8	3000	20
	1000	6.3x11	3500	20
	820	8x8	4000	20
	1500	8x11.5	4500	15
10 (11.5)	2200	10x12.5	5000	15
	220	5x7	1800	25
	330	6.3x8	2500	30
16 (18.4)	680	8x11.5	4500	20
	1500	10x12.5	5000	20
	100	5x7	1600	35
	180	6.3x6	1800	45
25 (28.75)	330	5x9	2400	40
	470	8x11.5	3500	20
	1000	10x12.5	4000	20
	100	6.3x8	1200	45
	220	6.3x11	1800	35
35 (40.25)	330	8x11.5	2000	40
	680	8x15	2200	40
	1000	10x16	2800	35
	100	6.3x8	1600	35

Rated (Surge) Voltage(V)	Capacitance (μ F)	SIZE Φ D \times L(mm)	RIPPLE (mA/rms, 105°C 100KHz)	ESR (m Ω , 20°C 100KHz)	
35 (40.25)	100	6.3x8	1200	50	
		8x8	1500	60	
	220	8x11.5	1700	55	
	330	10x12.5	2500	40	
	680	10x16	3000	35	
50 (57.5)	22	6.3x8	1100	60	
	47	8x11.5	1500	50	
	68	8x11.5	1500	50	
		10x12.5	1800	40	
	100	10x12.5	2200	40	
63 (72.45)	220	10x16	2800	35	
	80 (92.00)	22	6.3x8	900	90
		47	8x8	1100	65
		82	10x10.5	1200	65
		100	10x12.5	2000	50
180		10x16	2800	30	
80 (92.00)	47	10x12.5	1300	60	
	100	10x16	2100	40	