

Jamicon Series : FB

Teapo Series : FB Long Life 20000hrs Series

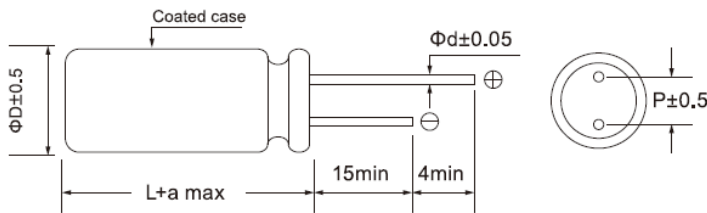
- Endurance: 105°C,20000hrs
- Recommended Applications:Long Life 20000hrs Series
- Corresponding product to RoHS



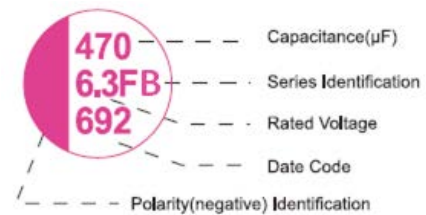
**Specifications**

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 20000 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)	0.5%per 1,000 hours(confidence level 60% at 105°C)	

**Diagram of Dimensions**



**Marking : case with red printing**



尺寸代码	ΦD x L	P	Φd	a
C07	5x7	2.0	0.5	1.5
E01	6.3x5.4	2.5	0.45	1.0
E08	6.3x8	2.5	0.6	1.0
E09	6.3x9	2.5	0.5	1.0
G08	8x8	3.5	0.6	1.0
G1B	8x11.5	3.5	0.6	1.0
H1A	10x10.5	5.0	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

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■Dimensions,Rated Ripple Current,Equivalent Series Resistance

Rated ( Surge ) Voltage(V)	Capacitance ( $\mu$ F)	SIZE $\Phi$ DxL(mm)	RIPPLE (mA/rms,105°C 100KHz)	ESR (m $\Omega$ ,20°C 100KHz)
6.3(7.25)	100	5x7	1500	35
	220	6.3x5.4	1300	50
	560	6.3x8	2800	25
	680	8x8	3500	25
	1000	8x11.5	4000	25
	1500	10x10.5	4200	20
	2200	10x12.5	5000	20
10 ( 11.5 )	100	6.3x5.4	1800	40
	330	6.3x8	2300	35
	560	8x8	3500	35
	1000	8x11.5	4200	25
	1200	10x12.5	4800	25
16 ( 18.4 )	220	6.3x8	2200	40
	330	6.3x9	2500	35
	470	8x11.5	3500	25
	560	8x11.5	3800	25
	820	10x12.5	4000	25
25 ( 28.75 )	47	6.3x5.4	1000	90
	100	6.3x8	1500	50
	330	8x11.5	1700	45
		10x12.5	2000	45
		10x12.5	2200	45

Rated ( Surge ) Voltage(V)	Capacitance ( $\mu$ F)	SIZE $\Phi$ DxL(mm)	RIPPLE (mA/rms,105°C 100KHz)	ESR (m $\Omega$ ,20°C 100KHz)
35 ( 40.25 )	47	6.3x8	1200	55
	100	8x8	1500	65
	220	8x11.5	1700	60
	270	10x12.5	2000	45
50 ( 57.5 )	22	6.3x8	1100	65
	47	8x11.5	1500	50
	100	10x12.5	1800	50
63 ( 72.45 )	10	6.3x8	700	100
	33	8x8	900	75
	82	10x12.5	1800	55
80 ( 92.00 )	47	10x12.5	900	80