

Jamicon Series : FG

Teapo Series : FG Standard Series

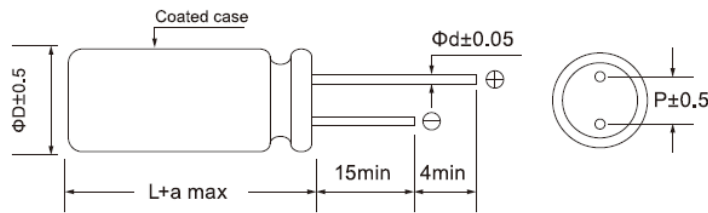
- Endurance:105°C,2000hrs
- Recommended Applications: standard
- Corresponding product to RoHS



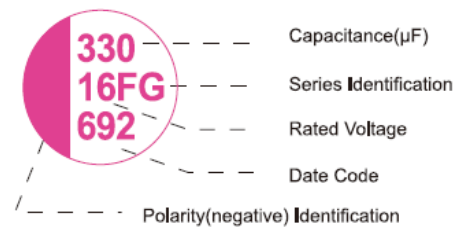
Specifications

Item	Characteristics		
Category Temperature Range	-55 ~ +105°C		
Rated Voltage Range	2.5~25VDC		
Rated Capacitance Range	22~ 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	2.5~10	12~25
	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 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	
	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	Φ D x L	P	φ d	a
C07	5x7	2.0	0.5	1.5
C09	5x9	2.0	0.5	1.0
D07	5x7	2.5	0.5	1.0
D09	5x9	2.5	0.5	1.0
D11	5x11	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
E07	6.3x7	2.5	0.5	1.5
E08	6.3x8	2.5	0.5or0.6	1.0
E09	6.3x9	2.5	0.5	1.0

SIZE	Φ D x L	P	φ d	a
E11	6.3x11	2.5	0.5	1.0
G08	8x8	3.5	0.6	1.5
G09	8x9	3.5	0.6	1.5
G1B	8x11.5	3.5	0.6	1.0
G12	8x12	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
H13	10x13	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 DxL(mm)	RIPPLE (mA/rms,105°C 100KHz)	ESR (mΩ,20°C 100KHz)	Rated (Surge) Voltage(V)	Capacitance (μ F)	SIZE Φ DxL(mm)	RIPPLE (mA/rms,105°C 100KHz)	ESR (mΩ,20°C 100KHz)		
2.5 (2.88)	560	6.3x6	4000	10	7.5 (8.62)	390	5x9	3100	15		
		6.3x8	3160	20			470	5x9	3100	15	
	820	6.3x8	3160	20			500	5x9	3100	12	
		8x11.5	5600	7			680	6.3x9	3500	12	
	1500	10x12.5	5600	7		10 (11.5)	68	6.3x5.4	1810	30	
2200	10x12.5	5600	7	100	5x7			3500	11		
4 (4.6)	560	6.3x8	3160		20			6.3x5.4	2320	27	
		680	6.3x8	3160	20			150	6.3x5.4	2200	30
			8x11.5	5600	7			180	6.3x8	2820	25
	820	6.3x9	3160	20	220			6.3x8	2820	25	
		10x12.5	5600	7	270			6.3x8	2820	25	
	1000	8x11.5	5600	7	330			6.3x8	2820	25	
		10x12.5	5600	7				8x8	3500	11	
6.3 (7.25)	47	6.3x5.4	1810	30	470			6.3x9	2820	25	
		100	6.3x5.4	1810				40	8x11.5	5600	8
		180	6.3x5.4	1810	30			560	10x10.5	5050	8
	220	5x7	3500	11	8x11.5				5600	8	
		6.3x5.4	1810	30	10x12.5			6100	8		
	270	6.3x6	3160	15	680			8x11.5	5600	8	
		5x7	3500	11		10x12.5	6100	8			
	330	6.3x7	3500	11	820	10x12.5	6100	8			
		5x7	3500	11		1200	10x12.5	6100	8		
		6.3x5.4	1810	30	1500	10x12.5	6100	8			
	6.3x6	3390	22	16(18.4)		22	5x7	2200	30		
	390	5x9	3500		11	33	6.3x5.4	2490	24		
		6.3x9	3500		8	47	6.3x5.4	1650	35		
	450	5x9	3500		11		6.3x6	2610	25		
		6.3x6	3390		22	68	6.3x5.4	1650	35		
470	5x9	3190	28		100	6.3x5.4	2490	24			
	6.3x6	3390	22			6.3x8	2820	24			
	6.3x8	3800	10		150	6.3x8	2820	25			
	8x8	4200	8			8x8	3150	22			
560	6.3x8	4000	10		180	6.3x8	2820	25			
	8x8	4800	12			8x8	3500	16			
680	6.3x9	3500	8		270	6.3x9	3100	20			
	8x11.5	5600	7			8x8	3800	15			
820	6.3x9	3500	8			8x11.5	5000	11			
	8x11.5	5600	7		10x10.5	5050	14				
	10x10.5	5050	8	330	6.3x9	3100	20				
10x12.5	5600	7	8x11.5		5000	11					
1000	8x8	4770	10	470	10x10.5	5050	14				
	8x11.5	5600	7		10x12.5	6100	10				
1200	8x11.5	5600	7	560	8x11.5	5000	11				
	10x10.5	5050	8		10x10.5	5050	11				
1500	8x11.5	5600	7	1000	10x12.5	6100	10				
	10x10.5	5050	8		10x12.5	6100	10				
2200	10x12.5	5600	7	16 (18.4)	680	8x11.5	5000	11			
6.8 (7.82)	180	5x7	2300			20	820	10x12.5	6100	10	
	220	5x7	2500			20		1000	8x12	5000	10
	270	5x7	2500			20	330		10x12.5	5000	10
	330	5x9	3100			15		8x15	5000	10	
	390	5x9	3100	15	10x12.5	5050	14				
	450	6.3x6	3100	15	16 (18.4)	820	8x11.5	5000	11		
	680	6.3x9	3500	11			10x10.5	5050	14		
	820	6.3x9	3500	11			10x12.5	6100	10		
	1000	6.3x11	4200	10	25 (28.75)	33	6.3x8	1650	35		
	7.5 (8.62)	270	5x9	2690			15	47	6.3x10.5	1980	35
						68	8x8	2980	35		