

**FG** Standard Series

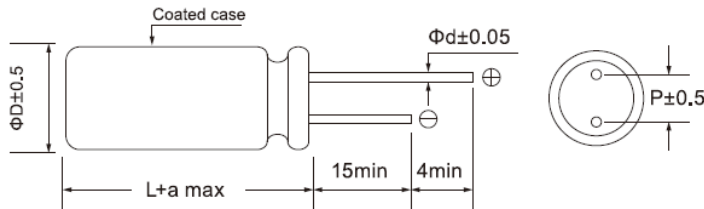
- Endurance: 105°C, 2000hrs
- Recommended Applications: standard
- Corresponding product to RoHS



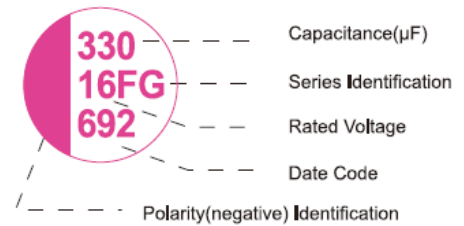
**Specifications**

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)	WV	2.5 ~ 25V	
	Z(100KHz)		
	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		
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
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	0.5 or 0.6	1.0
E09	6.3x9	2.5	0.5	1.0

SIZE	ΦD 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

■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
		6.3x8	3160	20		150	6.3x5.4	2200	30
	680	8x11.5	5600	7		180	6.3x8	2820	25
		6.3x9	3160	20		220	6.3x8	2820	25
	820	10x12.5	5600	7		270	6.3x8	2820	25
		8x11.5	5600	7		330	6.3x8	2820	25
1000	10x12.5	5600	7	8x8			3500	11	
6.3 (7.25)	47	6.3x5.4	1810	30		470	8x9	2820	25
		6.3x5.4	1810	40			8x11.5	5600	8
	100	6.3x5.4	1810	30		10x10.5	5050	8	
		5x7	3500	11		560	8x11.5	5600	8
	180	6.3x5.4	1810	30			10x12.5	6100	8
		220	6.3x5.4	1810		30	680	8x11.5	5600
6.3x6	3160		15	10x12.5	6100	8			
270	5x7	3500	11	820	8x11.5	5600	8		
	6.3x7	3500	11		10x12.5	6100	8		
6.8 (7.82)	330	5x7	3500	11	1200	10x12.5	6100	8	
		6.3x5.4	1810	30		1500	10x12.5	6100	8
	390	6.3x6	3390	22	2200		10x12.5	6100	8
		5x9	3500	11		16 (16.4)	22	5x7	2200
	450	6.3x6	3390	22	33		6.3x5.4	2490	24
		5x9	3500	11	47		6.3x5.4	1650	35
	470	5x9	3190	28			68	6.3x5.4	1650
		6.3x6	3390	22	100		6.3x5.4	2490	24
	6.3x8	3800	10	6.3x8			2820	24	
	560	8x8	4200	8	150		8x8	3150	22
		6.3x8	4000	10			180	6.3x8	2820
	680	8x8	4800	12	270			6.3x8	2820
6.3x9		3500	8	8x8			3500	16	
820	6.3x9	8x11.5	5600	7	6.3x9		3100	20	
		8x11.5	5600	7	8x8		3800	15	
	8x11.5	6.3x9	3500	8	8x11.5	5000	11		
		10x10.5	5050	8	10x10.5	5050	14		
1000	10x12.5	5600	7	330	10x12.5	6100	10		
	8x8	4770	10		470	8x11.5	5000	11	
1200	8x11.5	5600	7	10x10.5		5050	14		
	1500	10x10.5	5050	8	10x12.5	6100	10		
2200		8x11.5	5600	7	560	8x11.5	5000	11	
	10x10.5	5050	8	10x10.5		5050	11		
7.5 (8.62)	180	5x7	2300	20	680	10x12.5	6100	10	
		5x7	2500	20		820	8x11.5	5000	11
	270	5x7	2500	20	1000		10x12.5	5000	10
		5x9	3100	15		16 (18.4)	8x15	5000	10
	390	5x9	3100	15	33		6.3x8	1650	35
		6.3x6	3100	15		47	6.3x10.5	1980	35
	450	6.3x9	3500	11	68		8x8	2980	35
		6.3x9	3500	11		16 (18.4)	8x11.5	5000	11
	820	6.3x11	4200	10	10x12.5		6100	10	
		7.5 (8.62)	270	5x9	2690	15	820	8x12	5000
5x9	2690			15	1000	10x12.5	5000	10	

单击下面可查看定价，库存，交付和生命周期等信息

[>>Teapo \(智宝\)](#)