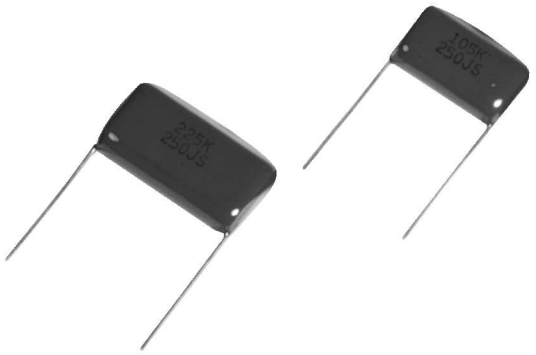
POLYPROPYLENE FILM CAPACITORS

PPS Series



INTRODUCTION :

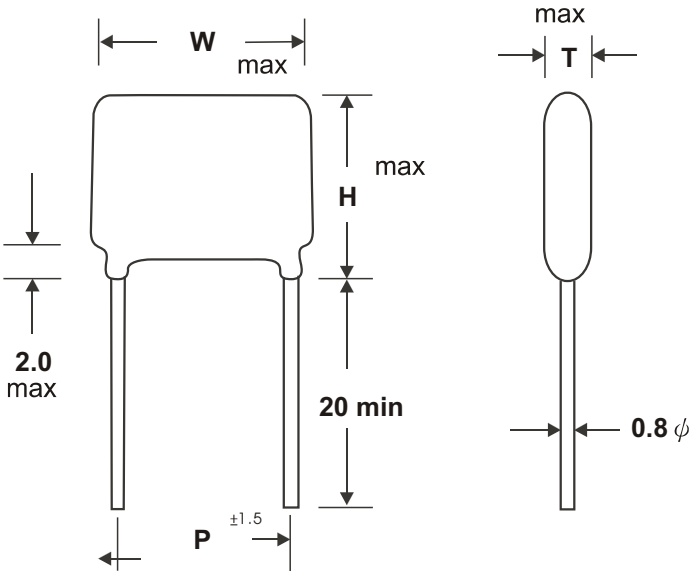
◆ ***PPS Series*** capacitor are constructed with polypropylene film and metalized polypropylene film as dielectrics, aluminum foil as electrode in series wound with copper-ply lead spot welded and epoxy resin coating.

◆ ***PPS Series*** capacitor are ideal for high frequency pulse circuits, such as TV horizontal output circuit.

FEATURES :

- ◆ Non-inductive construction.
- ◆ Self-healing property.
- ◆ Two capacitors are wound in series connection at the same time which will minimize the unbalance voltage distribution.
- ◆ High corona starting voltage.
- ◆ Large current rating and high maximum pulse rise time.
- ◆ Flame-retardant epoxy resin coating. (compliance with UL 94V-O).

OUTLINE DRAWING



SPECIFICATION :

1. ***OPERATING TEMPERATURE***: -40℃ ~ +85℃.
2. ***CAPACITANCE RANGE***: 0.001 ~ 0.33 μF. (Nominal in E 12 series.)
3. ***CAPACITANCE TOLERANCE***: ±5% (J), ±10% (K), ±20% (M).
4. ***RATED VOLTAGE***: 1,000 V, 1,200 V, 1,600 V, 2,000 VDC.
5. ***TESTING VOLTAGE***: 200% of rated voltage for 1 minute.
6. ***DISSIPATION FACTOR (DF)***: 0.1% MAX. When measured at 1 K Hz, between 25℃ can 85℃ .
7. ***INSULATION RESISTANCE (IR)***: 30,000M Ω MIN. When measured at 500 VDC and 25℃.
8. ***CAPACITANCE DRIFT***: 1% max when cycled through the operating temperature range.
9. ***LOAD LIFE TEST***: Will with stand a testing voltage of 150% of rated voltage for 500 hrs. at 85℃ . After the test, the capacitance drift ≦ 5%, and IR ≧ 15,000 MΩ .
10. ***HUMIDITY TEST***: Will with stand the R.H. 95% at 40℃ for 100 hrs. After the test, the capacitance drift ≦ 3%, DF ≦ 0.2%, IR ≧ 1,000 MΩ μF or 10,000 MΩ whichever is smaller.
11. ***MARKING***: Capacitance, tolerance, rated voltage, manufacturer's logo and Series code.

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DIMENSION :

Unit : mm

R. V. / Size / Cap.	1000 VDC				1200 VDC				1600 VDC				2000 VDC			
	W	H	T	P	W	H	T	P	W	H	T	P	W	H	T	P
(μF) 0.001	25.0	10.5	6.0	21.0	25.0	10.5	6.0	21.0	25.0	11.0	6.5	21.0	25.0	12.5	7.0	21.0
0.0012	25.0	11.0	6.0	21.0	25.0	11.0	6.0	21.0	25.0	11.5	6.5	21.0	25.0	13.0	7.5	21.0
0.0015	25.0	10.5	6.0	21.0	25.0	11.5	6.5	21.0	25.0	12.5	7.0	21.0	25.0	14.0	8.0	21.0
0.0018	25.0	10.5	6.0	21.0	25.0	12.0	7.0	21.0	25.0	13.5	7.5	21.0	25.0	16.0	8.5	21.0
0.0022	25.0	11.5	6.5	21.0	25.0	12.5	7.5	21.0	25.0	15.0	8.0	21.0	25.0	17.0	9.0	21.0
0.0027	25.0	12.0	7.0	21.0	25.0	13.0	8.0	21.0	25.0	16.0	8.5	21.0	25.0	18.0	10.0	21.0
0.0033	25.0	12.5	7.5	21.0	25.0	15.0	8.5	21.0	25.0	17.0	9.5	21.0	25.0	20.0	10.5	21.0
0.0039	25.0	13.0	8.0	21.0	25.0	16.0	9.5	21.0	25.0	18.5	10.0	21.0	25.0	21.0	11.0	21.0
0.0047	25.0	13.5	8.5	21.0	25.0	17.0	10.5	21.0	25.0	20.0	10.5	21.0	31.0	20.0	10.5	26.5
0.0056	25.0	16.0	9.5	21.0	25.0	18.0	11.5	21.0	31.0	20.0	10.0	26.5	31.0	21.0	11.5	26.5
0.0068	25.0	16.5	10.5	21.0	31.0	17.0	10.5	26.5	31.0	21.0	10.5	26.5	31.0	22.0	12.0	26.5
0.0082	25.0	17.5	11.5	21.0	31.0	18.0	11.0	26.5	31.0	22.0	11.0	26.5	31.0	23.0	13.0	26.5
0.01	25.0	19.5	12.0	21.0	31.0	21.0	12.0	26.5	31.0	23.0	12.0	26.5	31.0	24.0	14.0	26.5
0.012	25.0	21.0	13.5	21.0	31.0	22.0	13.0	26.5	31.0	24.0	13.5	26.5	31.0	25.5	15.5	26.5
0.015	31.0	20.0	12.0	26.5	31.0	23.0	14.0	26.5	31.0	26.0	16.0	26.5	31.0	28.0	17.0	26.5
0.018	31.0	20.5	12.5	26.5	31.0	25.0	15.0	26.5	31.0	28.0	18.0	26.5				
0.022	31.0	24.5	14.0	26.5	31.0	28.0	16.5	26.5	31.0	30.0	20.0	26.5				
0.027	31.0	25.5	15.5	26.5	31.0	30.0	18.5	26.5								
0.033	31.0	27.5	17.5	26.5	31.0	32.0	21.0	26.5								