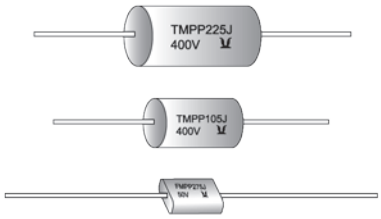
Metallized Polypropylene Film Capacitor (Axial Lead)

TMPP/FMPP

金属化聚丙烯膜电容器(轴向导线型)

TMPP& FMPP are non-inductively wound with metallized polypropylene film as dielectric and electrode, outer wrapt by polyester film tape and end sealed by epoxy resin. They are suitable for timing circuits, integrating and filtering networks and find applications primarily in telecommunication equipments.



FEATURES

- Low dissipation factor and excellent for high frequency applications.
- Self-healing properties.
- High reliability and excellent long term stability.
- Flame retardant epoxy resin coating.

SPECIFICATIONS

Operating Temperature:	-40°C -- +85°C.
Capacitance Range:	0.01uF -- 30uF.
Capacitance Tolerance:	±2%(G), ±5%(J), ±10%(K).
Rated Voltage:	250VDC, 400VDC, 630VDC.
Dissipation Factor:	0.1% max. at 1KHz, 25°C.
Insulation Resistance:	>30,000 MΩ (C≤0.33uF).
	>10,000 MΩ • uF/C (C>0.33uF).
Dielectric Strength:	150% of rated voltage for 5 sec.

DIMENSIONS

TMPP Unit: mm

R.V. / SIZE / CAP (uF)	100 VDC		160 VDC		250 VDC		400 VDC		630 VDC	
	OD max.	L max.	OD max.	L max.	OD max.	L max.	OD max.	L max.	OD max.	L max.
0.010					5.0	14.0	5.5	14.0	6.5	14.0
0.015					5.0	14.0	6.0	14.0	7.0	14.0
0.022	5.0	12.0	5.0	12.0	6.0	14.0	7.0	14.0	8.0	14.0
0.033	5.0	12.0	5.0	12.0	6.0	14.0	7.5	14.0	8.5	20.0
0.047	5.0	12.0	5.0	12.0	6.5	14.0	8.0	14.0	9.0	20.0
0.068	5.0	12.0	5.0	12.0	7.5	14.0	8.0	20.0	9.0	26.0
0.10	5.5	14.0	5.5	14.0	8.0	14.0	8.5	20.0	11.0	26.0
0.15	6.5	14.0	6.5	14.0	8.5	20.0	9.0	20.0	12.0	33.0
0.22	7.5	14.0	7.5	14.0	9.0	20.0	9.5	20.0	14.0	33.0
0.33	7.0	20.0	7.0	20.0	9.0	26.0	12.0	33.0	16.0	33.0
0.47	8.0	20.0	8.0	20.0	10.5	26.0	13.0	33.0	18.0	33.0
0.68	8.0	27.5	8.0	28.0	12.5	26.0	15.0	33.0	20.0	37.0
1.0	9.0	28.0	9.0	28.0	13.0	33.0	18.0	33.0	22.0	47.0
1.5	11.5	28.0	11.5	28.0	15.0	33.0	20.0	37.0	22.0	47.0
2.2	12.0	33.0	12.0	33.0	16.5	33.0	22.0	37.0	27.0	47.0
3.3	14.0	33.0	14.5	33.0	18.0	37.0	18.5	42.0	25.0	57.0
4.7	16.5	33.0	17.0	33.0	21.0	37.0	21.5	42.0	25.0	57.0
5.6	17.5	33.0	17.5	33.0	19.5	42.0	23.5	42.0	28.5	57.0
6.8	17.5	42.0	18.5	42.0	21.5	42.0	21.5	57.0	33.0	59.0
8.2	19.0	42.0	19.0	42.0	23.0	42.0	23.5	57.0	36.0	59.0
10	20.5	42.0	22.0	42.0	21.5	57.0	25.5	57.0	43.0	59.0
12	19.0	57.0	19.0	57.0	23.5	57.0	28.0	57.0	45.0	59.0
15	21.0	57.0	21.0	57.0	25.5	57.0	35.0	57.0		
20	25.5	57.0	25.5	57.0	28.0	57.0	40.0	57.0		
30	30.5	57.0	30.5	57.0	33.0	59.0	45.0	59.0		
40	32.0	59.0	32.0	59.0	36.0	59.0	52.0	59.0		

FMPP Unit: mm

CAP (uF)	250 VDC			400 VDC			630 VDC		
	W max.	H max.	T max.	W max.	H max.	T max.	W max.	H max.	T max.
0.010							14.0	9.5	6.0
0.015							14.0	10.0	6.5
0.022							14.0	10.5	7.0
0.033				14.0	12.0	6.5	20.0	12.0	7.0
0.047				14.0	13.0	7.0	20.0	13.5	7.5
0.068				14.0	13.5	7.5	20.0	14.0	8.5
0.10	14.0	10.0	6.0	19.0	12.5	7.5	26.0	13.0	8.0
0.15	20.0	11.0	6.5	19.0	14.5	8.5	26.0	15.0	9.5
0.22	20.0	11.0	7.0	26.0	14.0	8.0	33.0	19.0	11.5
0.33	20.0	13.0	8.0	26.0	16.0	10.0	33.0	20.0	12.5
0.47	26.0	14.0	8.5	33.0	20.0	10.0	37.0	23.0	14.5
0.68	26.0	16.0	10.0	33.0	22.0	12.0	37.0	24.0	15.5
1.0	26.0	18.0	11.0	37.0	23.0	13.0	47.0	26.0	16.5
1.5	33.0	20.0	12.5	37.0	24.0	15.5	47.0	29.0	21.0
2.2	33.0	22.0	14.0	47.0	25.0	16.0	47.0	35.5	24.0
3.3	37.0	24.0	15.0	47.0	34.0	20.0			
4.7	37.0	27.0	17.0						
5.6									
6.8									
8.2									
10									
12									
15									
20									
30									
40									

* For enquiry on items not within the above range or with special dimensions, please contact us for availability.
* Specifications are subject to change, please refer to approval sheets for final or mutually agreed specifications.