

●メタライズド・ポリプロピレン・フィルム・コンデンサ / METALLIZED POLYPROPYLENE FILM CAPACITORS

MMPNS series

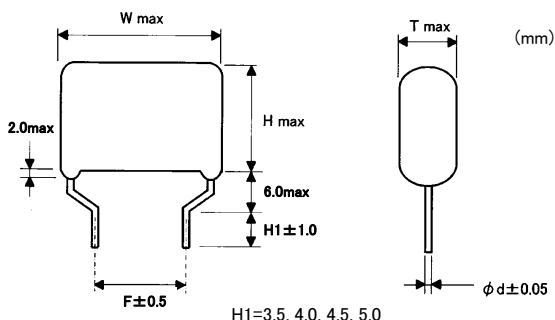
■特徴

- ・メタライズドポリプロピレンフィルムとアルミ箔の巻回構造。
- ・内部損失が小さく、内部発熱の温度上昇が小さい。
- ・共振回路に適しています。
- ・高パルス、大電流回路に適しています。

■FEATURES

- ・Metallized polypropylene film/aluminum foil, wound construction.
- ・Low loss and small inheant temperature rise.
- ・Suitable for resonance circuits.
- ・Suitable for high pulse and high loading circuit.

■寸法図/DIAGRAM OF DIMENTIONS



■性能/PERFORMANCE SPECIFICATIONS

・使用温度範囲/Temperature range : -40°C~+105°C ※
・誘電正接/Dissipation factor : 0.1% max. (at 20°C, 1kHz)
・絶縁抵抗/Insulation resistance
30,000MΩ min. (C ≤ 0.33 μF at 20°C)
10,000Ω F min. (C > 0.33 μF at 20°C)
・耐電圧/Withstand voltage : WV × 1.75 (5sec)
・静電容量許容差/Capacitance tolerance : ±3%(H), ±5%(J), ±10%(K)

※ +85~+105°Cは電圧軽減による使用可能範囲です(-1.25%/°C)。
+85~+105°C is the usable range due to voltage derating(-1.25%/°C)

■寸法表/DIMENTIONS

(mm)

静電容量		630VDC (2J)				
記号	μF	W	H	T	P / F	φ d
271	0.00027					
391	0.00039					
681	0.00068					
751	0.00075					
821	0.00082					
102	0.001	13.0	10.0	5.0	10.0 / 7.5	0.6
122	0.0012	13.0	10.0	5.0	10.0 / 7.5	0.6
152	0.0015	13.0	10.0	5.0	10.0 / 7.5	0.6
182	0.0018	13.0	10.0	5.0	10.0 / 7.5	0.6
222	0.0022	13.0	10.0	5.0	10.0 / 7.5	0.6
242	0.0024	13.0	11.0	6.0	10.0 / 7.5	0.6
272	0.0027	13.0	11.0	6.0	10.0 / 7.5	0.6
332	0.0033	13.0	11.0	6.0	10.0 / 7.5	0.6
362	0.0036	13.0	11.0	6.0	10.0 / 7.5	0.6
392	0.0039	13.0	11.0	6.0	10.0 / 7.5	0.6
432	0.0043	13.0	11.5	6.5	10.0 / 7.5	0.6
472	0.0047	13.0	11.5	6.5	10.0 / 7.5	0.6
512	0.0051	13.0	12.0	6.5	10.0 / 7.5	0.6
562	0.0056	13.0	12.0	7.0	10.0 / 7.5	0.6
602	0.0060	13.0	12.0	7.0	10.0 / 7.5	0.6
622	0.0062	13.0	12.0	7.0	10.0 / 7.5	0.6
682	0.0068	13.0	12.0	7.0	10.0 / 7.5	0.6
722	0.0072	13.0	13.0	7.0	10.0 / 7.5	0.6
752	0.0075	13.0	13.0	7.0	10.0 / 7.5	0.6
822	0.0082	18.0	12.0	6.0	15.0 / 7.5	0.8
842	0.0084	18.0	12.0	6.0	15.0 / 7.5	0.8
912	0.0091	18.0	12.0	6.5	15.0 / 7.5	0.8
103	0.01	18.0	12.0	6.0	15.0 / 7.5	0.8
123	0.012	18.0	12.5	6.5	15.0 / 7.5	0.8
153	0.015	18.0	13.0	7.5	15.0 / 7.5	0.8
183	0.018	18.0	13.0	7.5	15.0 / 7.5	0.8
223	0.022	18.0	13.0	7.5	15.0 / 7.5	0.8
243	0.024	18.0	13.0	7.5	15.0 / 7.5	0.8
273	0.027	18.0	14.0	8.0	15.0 / 7.5	0.8
333	0.033	18.0	15.5	8.0	15.0 / 7.5	0.8
363	0.036	18.0	16.0	8.5	15.0 / 7.5	0.8
393	0.039	18.0	16.5	9.0	15.0 / 7.5	0.8
433	0.043	18.0	17.0	9.5	15.0 / 7.5	0.8
473	0.047	18.0	17.5	10.0	15.0 / 7.5	0.8

静電容量		800VDC (2K)				
記号	μF	W	H	T	P / F	φ d
271	0.00027	13.0	9.0	5.5	10.0 / 7.5	0.6
391	0.00039	13.0	9.0	5.5	10.0 / 7.5	0.6
681	0.00068	13.0	11.0	5.5	10.0 / 7.5	0.6
751	0.00075	13.0	11.0	5.5	10.0 / 7.5	0.6
821	0.00082	13.0	11.0	6.0	10.0 / 7.5	0.6
102	0.001	13.0	11.5	6.5	10.0 / 7.5	0.6
122	0.0012	13.0	11.0	6.0	10.0 / 7.5	0.6
152	0.0015	13.0	11.0	6.0	10.0 / 7.5	0.6
182	0.0018	13.0	11.5	6.5	10.0 / 7.5	0.6
222	0.0022	13.0	12.0	6.5	10.0 / 7.5	0.6
242	0.0024	13.0	13.0	7.0	10.0 / 7.5	0.6
272	0.0027	13.0	11.0	6.0	10.0 / 7.5	0.6
332	0.0033	13.0	11.0	6.0	10.0 / 7.5	0.6
362	0.0036	13.0	11.0	6.0	10.0 / 7.5	0.6
392	0.0039	13.0	11.0	6.0	10.0 / 7.5	0.6
432	0.0043	13.0	11.5	6.0	10.0 / 7.5	0.6
472	0.0047	13.0	12.0	6.5	10.0 / 7.5	0.6
512	0.0051	13.0	12.5	7.0	10.0 / 7.5	0.6
562	0.0056	13.0	12.5	7.0	10.0 / 7.5	0.6
602	0.0060	18.0	11.0	6.0	15.0 / 7.5	0.8
622	0.0062	18.0	11.0	6.0	15.0 / 7.5	0.8
682	0.0068	18.0	12.0	6.0	15.0 / 7.5	0.8
722	0.0072	18.0	12.0	6.0	15.0 / 7.5	0.8
752	0.0075	18.0	12.0	6.0	15.0 / 7.5	0.8
822	0.0082	18.0	12.0	6.0	15.0 / 7.5	0.8
842	0.0084	18.0	12.0	6.0	15.0 / 7.5	0.8
912	0.0091	18.0	12.0	6.5	15.0 / 7.5	0.8
103	0.01	18.0	12.0	6.0	15.0 / 7.5	0.8
123	0.012	18.0	13.0	6.5	15.0 / 7.5	0.8
153	0.015	18.0	13.0	7.5	15.0 / 7.5	0.8
183	0.018	18.0	14.0	7.5	15.0 / 7.5	0.8
223	0.022	18.0	14.0	7.5	15.0 / 7.5	0.8
243	0.024	18.0	14.0	7.5	15.0 / 7.5	0.8
273	0.027	18.0	17.0	10.0	15.0 / 7.5	0.8
333	0.033	18.0	16.5	9.0	15.0 / 7.5	0.8
363	0.036	18.0	17.0	9.0	15.0 / 7.5	0.8
393	0.039	18.0	17.0	9.5	15.0 / 7.5	0.8
433	0.043	18.0	18.0	9.0	15.0 / 7.5	0.8
473	0.047	18.0	18.5	10.0	15.0 / 7.5	0.8



MMPNS series

■寸法表/DIMENSIONS

(mm)

静電容量		1000VDC (3A)				
記号	μF	W	H	T	P / F	ϕd
102	0.001	18.0	12.5	7.0	15.0 / 7.5	0.8
122	0.0012	18.0	12.5	7.0	15.0 / 7.5	0.8
152	0.0015	18.0	12.5	7.0	15.0 / 7.5	0.8
182	0.0018	18.0	12.5	7.0	15.0 / 7.5	0.8
222	0.0022	18.0	13.0	7.0	15.0 / 7.5	0.8
242	0.0024	18.0	12.5	6.5	15.0 / 7.5	0.8
272	0.0027	18.0	13.0	6.5	15.0 / 7.5	0.8
332	0.0033	18.0	13.0	6.5	15.0 / 7.5	0.8
362	0.0036	18.0	12.0	6.5	15.0 / 7.5	0.8
392	0.0039	18.0	13.0	6.5	15.0 / 7.5	0.8
432	0.0043	18.0	12.0	6.5	15.0 / 7.5	0.8
472	0.0047	18.0	12.0	6.5	15.0 / 7.5	0.8
512	0.0051	18.0	12.5	6.5	15.0 / 7.5	0.8
562	0.0056	18.0	13.5	6.5	15.0 / 7.5	0.8
602	0.0060	18.0	13.5	6.5	15.0 / 7.5	0.8
622	0.0062	18.0	13.5	6.5	15.0 / 7.5	0.8
682	0.0068	18.0	13.5	6.5	15.0 / 7.5	0.8
722	0.0072	18.0	13.5	6.5	15.0 / 7.5	0.8
752	0.0075	18.0	13.5	6.5	15.0 / 7.5	0.8
822	0.0082	18.0	14.5	7.0	15.0 / 7.5	0.8
842	0.0084	18.0	14.5	7.0	17.5 / 7.5	0.8
912	0.0091	18.0	15.0	7.5	17.5 / 7.5	0.8
103	0.01	18.0	15.5	8.0	17.5 / 7.5	0.8
123	0.012	18.0	15.5	8.0	17.5 / 7.5	0.8
153	0.015	18.0	16.5	9.0	17.5 / 7.5	0.8
183	0.018	23.0	14.5	7.5	20.0 / 7.5	0.8
223	0.022	23.0	16.0	8.5	20.0 / 7.5	0.8
243	0.024	23.0	16.0	8.5	20.0 / 7.5	0.8
273	0.027	23.0	16.5	9.0	20.0 / 7.5	0.8
333	0.033	23.0	18.0	9.0	20.0 / 7.5	0.8

静電容量		1250VDC (3B)				
記号	μF	W	H	T	P / F	ϕd
102	0.001	18.0	12.5	7.0	15.0 / 7.5	0.8
122	0.0012	18.0	12.5	7.0	15.0 / 7.5	0.8
152	0.0015	18.0	12.5	7.0	15.0 / 7.5	0.8
182	0.0018	18.0	12.5	7.0	15.0 / 7.5	0.8
222	0.0022	18.0	13.0	7.0	15.0 / 7.5	0.8
242	0.0024	18.0	12.5	6.5	15.0 / 7.5	0.8
272	0.0027	18.0	13.0	6.5	15.0 / 7.5	0.8
332	0.0033	18.0	13.0	6.5	15.0 / 7.5	0.8
362	0.0036	18.0	12.0	6.5	15.0 / 7.5	0.8
392	0.0039	18.0	13.0	6.5	15.0 / 7.5	0.8
432	0.0043	18.0	13.0	6.5	15.0 / 7.5	0.8
472	0.0047	18.0	13.0	7.0	15.0 / 7.5	0.8
512	0.0051	18.0	13.0	7.0	15.0 / 7.5	0.8
562	0.0056	18.0	13.0	7.5	15.0 / 7.5	0.8
602	0.0060	18.0	13.0	7.5	15.0 / 7.5	0.8
622	0.0062	18.0	13.0	7.5	15.0 / 7.5	0.8
682	0.0068	18.0	13.5	7.5	15.0 / 7.5	0.8
722	0.0072	18.0	14.0	8.0	15.0 / 7.5	0.8
752	0.0075	18.0	14.0	8.0	15.0 / 7.5	0.8
822	0.0082	18.0	14.0	8.5	15.0 / 7.5	0.8
842	0.0084	18.0	14.5	8.5	15.0 / 7.5	0.8
912	0.0091	18.0	15.0	9.0	15.0 / 7.5	0.8
103	0.01	23.0	13.0	7.5	20.0 / 7.5	0.8
123	0.012	23.0	13.5	8.0	20.0 / 7.5	0.8
153	0.015	23.0	15.5	8.5	20.0 / 7.5	0.8
183	0.018	23.0	17.0	8.5	20.0 / 7.5	0.8
223	0.022	23.0	18.0	9.5	20.0 / 7.5	0.8
243	0.024					
273	0.027					
333	0.033					

静電容量		1600VDC (3C)				
記号	μF	W	H	T	P / F	ϕd
102	0.001	18.0	12.5	7.0	15.0 / 7.5	0.8
122	0.0012	18.0	12.5	7.0	15.0 / 7.5	0.8
152	0.0015	18.0	12.5	7.0	15.0 / 7.5	0.8
182	0.0018	18.0	12.5	7.0	15.0 / 7.5	0.8
222	0.0022	18.0	13.0	7.0	15.0 / 7.5	0.8
242	0.0024	18.0	12.5	6.5	15.0 / 7.5	0.8
272	0.0027	18.0	13.0	6.5	15.0 / 7.5	0.8
332	0.0033	18.0	14.5	7.5	15.0 / 7.5	0.8
362	0.0036	18.0	15.0	8.0	15.0 / 7.5	0.8
392	0.0039	18.0	15.5	8.5	15.0 / 7.5	0.8
432	0.0043	23.0	14.0	7.0	20.0 / 7.5	0.8
472	0.0047	23.0	14.5	8.0	20.0 / 7.5	0.8
512	0.0051	23.0	14.5	8.0	20.0 / 7.5	0.8
562	0.0056	23.0	15.0	8.0	20.0 / 7.5	0.8
602	0.0060	23.0	15.0	8.0	20.0 / 7.5	0.8
622	0.0062	23.0	15.5	8.0	20.0 / 7.5	0.8
683	0.0068	23.0	16.0	8.5	20.0 / 7.5	0.8
722	0.0072	23.0	16.0	8.5	20.0 / 7.5	0.8
752	0.0075	23.0	16.0	8.5	20.0 / 7.5	0.8
822	0.0082	23.0	16.0	8.5	20.0 / 7.5	0.8
842	0.0084	23.0	16.0	8.5	20.0 / 7.5	0.8
912	0.0091	23.0	16.0	8.5	20.0 / 7.5	0.8
103	0.01	23.0	16.0	8.5	20.0 / 7.5	0.8
123	0.012	23.0	18.0	8.5	20.0 / 7.5	0.8
153	0.015	23.0	19.0	10.0	20.0 / 7.5	0.8
183	0.018	23.0	20.0	11.0	20.0 / 7.5	0.8



MMPNS series

■寸法表/DIMENSIONS

(mm)

静電容量		1000VDC (3A)				
記号	μF	W	H	T	P / F	φd
102	0.001	18.0	12.5	7.0	15.0 / 7.5	0.8
122	0.0012	18.0	12.5	7.0	15.0 / 7.5	0.8
152	0.0015	18.0	12.5	7.0	15.0 / 7.5	0.8
182	0.0018	18.0	12.5	7.0	15.0 / 7.5	0.8
222	0.0022	18.0	13.0	7.0	15.0 / 7.5	0.8
242	0.0024	18.0	12.5	6.5	15.0 / 7.5	0.8
272	0.0027	18.0	13.0	6.5	15.0 / 7.5	0.8
332	0.0033	18.0	13.0	6.5	15.0 / 7.5	0.8
362	0.0036	18.0	12.0	6.5	15.0 / 7.5	0.8
392	0.0039	18.0	13.0	6.5	15.0 / 7.5	0.8
432	0.0043	18.0	12.0	6.5	15.0 / 7.5	0.8
472	0.0047	18.0	12.0	6.5	15.0 / 7.5	0.8
512	0.0051	18.0	12.5	6.5	15.0 / 7.5	0.8
562	0.0056	18.0	13.5	6.5	15.0 / 7.5	0.8
602	0.0060	18.0	13.5	6.5	15.0 / 7.5	0.8
622	0.0062	18.0	13.5	6.5	15.0 / 7.5	0.8
683	0.0068	18.0	13.5	6.5	15.0 / 7.5	0.8
722	0.0072	18.0	13.5	6.5	15.0 / 7.5	0.8
752	0.0075	18.0	13.5	6.5	15.0 / 7.5	0.8
822	0.0082	18.0	14.5	7.0	15.0 / 7.5	0.8
842	0.0084	18.0	14.5	7.0	17.5 / 7.5	0.8
912	0.0091	18.0	15.0	7.5	17.5 / 7.5	0.8
103	0.01	18.0	15.5	8.0	17.5 / 7.5	0.8
123	0.012	18.0	15.5	8.0	17.5 / 7.5	0.8
153	0.015	18.0	16.5	9.0	17.5 / 7.5	0.8
183	0.018	23.0	14.5	7.5	20.0 / 7.5	0.8
223	0.022	23.0	16.0	8.5	20.0 / 7.5	0.8
243	0.024	23.0	16.0	8.5	20.0 / 7.5	0.8
273	0.027	23.0	16.5	9.0	20.0 / 7.5	0.8
333	0.033	23.0	18.0	9.0	20.0 / 7.5	0.8

静電容量		1250VDC (3B)				
記号	μF	W	H	T	P / F	φd
102	0.001	18.0	12.5	7.0	15.0 / 7.5	0.8
122	0.0012	18.0	12.5	7.0	15.0 / 7.5	0.8
152	0.0015	18.0	12.5	7.0	15.0 / 7.5	0.8
182	0.0018	18.0	12.5	7.0	15.0 / 7.5	0.8
222	0.0022	18.0	13.0	7.0	15.0 / 7.5	0.8
242	0.0024	18.0	12.5	6.5	15.0 / 7.5	0.8
272	0.0027	18.0	13.0	6.5	15.0 / 7.5	0.8
332	0.0033	18.0	13.0	6.5	15.0 / 7.5	0.8
362	0.0036	18.0	12.0	6.5	15.0 / 7.5	0.8
392	0.0039	18.0	13.0	6.5	15.0 / 7.5	0.8
432	0.0043	18.0	13.0	6.5	15.0 / 7.5	0.8
472	0.0047	18.0	13.0	7.0	15.0 / 7.5	0.8
512	0.0051	18.0	13.0	7.0	15.0 / 7.5	0.8
562	0.0056	18.0	13.0	7.5	15.0 / 7.5	0.8
602	0.0060	18.0	13.0	7.5	15.0 / 7.5	0.8
622	0.0062	18.0	13.0	7.5	15.0 / 7.5	0.8
683	0.0068	18.0	13.5	7.5	15.0 / 7.5	0.8
722	0.0072	18.0	14.0	8.0	15.0 / 7.5	0.8
752	0.0075	18.0	14.0	8.0	15.0 / 7.5	0.8
822	0.0082	18.0	14.0	8.5	15.0 / 7.5	0.8
842	0.0084	18.0	14.5	8.5	15.0 / 7.5	0.8
912	0.0091	18.0	15.0	9.0	15.0 / 7.5	0.8
103	0.01	23.0	13.0	7.5	20.0 / 7.5	0.8
123	0.012	23.0	13.5	8.0	20.0 / 7.5	0.8
153	0.015	23.0	15.5	8.5	20.0 / 7.5	0.8
183	0.018	23.0	17.0	8.5	20.0 / 7.5	0.8
223	0.022	23.0	18.0	9.5	20.0 / 7.5	0.8
243	0.024					
273	0.027					
333	0.033					

静電容量		1600VDC (3C)				
記号	μF	W	H	T	P / F	φd
102	0.001	18.0	12.5	7.0	15.0 / 7.5	0.8
122	0.0012	18.0	12.5	7.0	15.0 / 7.5	0.8
152	0.0015	18.0	12.5	7.0	15.0 / 7.5	0.8
182	0.0018	18.0	12.5	7.0	15.0 / 7.5	0.8
222	0.0022	18.0	13.0	7.0	15.0 / 7.5	0.8
242	0.0024	18.0	12.5	6.5	15.0 / 7.5	0.8
272	0.0027	18.0	13.0	6.5	15.0 / 7.5	0.8
332	0.0033	18.0	14.5	7.5	15.0 / 7.5	0.8
362	0.0036	18.0	15.0	8.0	15.0 / 7.5	0.8
392	0.0039	18.0	15.5	8.5	15.0 / 7.5	0.8
432	0.0043	23.0	14.0	7.0	20.0 / 7.5	0.8
472	0.0047	23.0	14.5	8.0	20.0 / 7.5	0.8
512	0.0051	23.0	14.5	8.0	20.0 / 7.5	0.8
562	0.0056	23.0	15.0	8.0	20.0 / 7.5	0.8
602	0.0060	23.0	15.0	8.0	20.0 / 7.5	0.8
622	0.0062	23.0	15.5	8.0	20.0 / 7.5	0.8
682	0.0068	23.0	16.0	8.5	20.0 / 7.5	0.8
722	0.0072	23.0	16.0	8.5	20.0 / 7.5	0.8
752	0.0075	23.0	16.0	8.5	20.0 / 7.5	0.8
822	0.0082	23.0	16.0	8.5	20.0 / 7.5	0.8
842	0.0084	23.0	16.0	8.5	20.0 / 7.5	0.8
912	0.0091	23.0	16.0	8.5	20.0 / 7.5	0.8
103	0.01	23.0	16.0	8.5	20.0 / 7.5	0.8
123	0.012	23.0	18.0	8.5	20.0 / 7.5	0.8
153	0.015	23.0	19.0	10.0	20.0 / 7.5	0.8
183	0.018	23.0	20.0	11.0	20.0 / 7.5	0.8

■品番ご指定法/HOW TO SPECIFY ITEM NUMBER

2K MMPNS FL 271 J 715 H145 E

- ① ② ③ ④ ⑤ ⑥ ⑦ ⑧
- ① 定格電圧/Rated Voltage
2J: 630VDC 2K: 800VDC 3A: 1000VDC 3B: 1250VDC
3C: 1600VDC
- ② シリーズ名/Series Name
- ③ 形状記号/Style Symbol
FL: FL フォーミング/FL forming
- ④ 静電容量記号/Capacitance Symbol
271: 0.00027 μF 102: 0.001 μF 103: 0.01 μF
- ⑤ 静電容量許容差/Capacitance Tolerance
H: ±3% J: ±5% K: ±10%
- ⑥ フォーミングピッチ/Forming pitch
715: 7.5mm
- ⑦ H1寸法/H1 dimensions
H145: 4.5mm H135: 3.5mm H140: 4.0mm H150: 5.0mm
- ⑧ 環境対策品記号/Environment Friendly Symbol

■製品の改良のため予告無く仕様を変更する場合があります。
There is a case to change the specification without notifying beforehand for the improvement of the product.