

# Metallized Polyester Film Stacked Capacitor MPEM

## Outline Drawing

Are non-inductively wound with metallized polyester film as dielectric/electrode with copper-clad steel leads and epoxy resin coating.

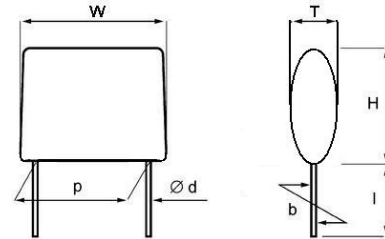
## Features

- Long life due to self-healing effect and high capacitance rate
- Epoxy resin powder coating provides the identical outer appearance
- Suitable for blocking, by-pass and coupling of DC and signals to VHF range
- Widely used in filter, noise suppression and low pulse circuits

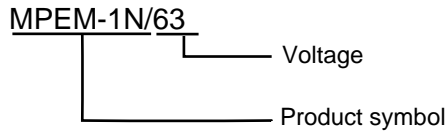


## Specifications

Reference Standard	IEC 60384-12	
Climatic Category	40/85/21	
Rated Voltage	63V, 100V, 250V, 400V, 630V	
Voltage proof	1.6Ur(5s)	
Dissipation Factor	≤0.8% (20°C, 1KHz)	
Insulation Resistance	≥15000M (CR≤0.33uF)	(20°C, 1min)
	≥5000s (CR>0.33uF)	



## Ordering code



## Dimensions

Symbol	uF	63 VDC					100 VDC				
		W (mm)	T (mm)	H(mm)	P (mm)	d (φ mm)	W (mm)	T (mm)	H(mm)	P (mm)	d (φ mm)
MPEM-1N	0.001	7.2	3.2	6.5	5.0	0.5	7.2	3.2	6.5	0.5	0.5
MPEM-1.2N	0.0012	7.2	3.2	6.5	5.0	0.5	7.2	3.2	6.5	0.5	0.5
MPEM-1.5N	0.0015	7.2	3.2	6.5	5.0	0.5	7.2	3.2	6.5	0.5	0.5
MPEM-1.8N	0.0018	7.2	3.2	6.5	5.0	0.5	7.2	3.2	6.5	0.5	0.5
MPEM-2.2N	0.0022	7.2	3.2	6.5	5.0	0.5	7.2	3.2	6.5	0.5	0.5
MPEM-2.7N	0.0027	7.2	3.2	6.5	5.0	0.5	7.2	3.2	6.5	0.5	0.5
MPEM-3.3N	0.0033	7.2	3.2	6.5	5.0	0.5	7.2	3.2	6.5	0.5	0.5
MPEM-3.9N	0.0039	7.2	3.2	6.5	5.0	0.5	7.2	3.2	6.5	0.5	0.5
MPEM-4.7N	0.0047	7.2	3.2	6.5	5.0	0.5	7.2	3.2	6.5	0.5	0.5
MPEM-5.6N	0.0056	7.2	3.2	6.5	5.0	0.5	7.2	3.2	6.5	0.5	0.5
MPEM-6.8N	0.0068	7.2	3.2	6.5	5.0	0.5	7.2	3.2	6.5	0.5	0.5
MPEM-8.2N	0.0082	7.2	3.2	6.5	5.0	0.5	7.2	3.2	6.5	0.5	0.5
MPEM-10N	0.01	7.2	3.2	6.5	5.0	0.5	7.2	3.2	6.5	0.5	0.5
MPEM-12N	0.012	7.2	3.2	6.5	5.0	0.5	7.2	3.2	6.5	0.5	0.5
MPEM-15N	0.015	7.2	3.2	6.5	5.0	0.5	7.2	3.2	6.5	0.5	0.5
MPEM-18N	0.018	7.2	3.2	6.5	5.0	0.5	7.2	3.2	6.5	0.5	0.5
MPEM-22N	0.022	7.2	3.2	6.5	5.0	0.5	7.2	3.2	6.5	0.5	0.5
MPEM-33N	0.033	7.2	3.2	6.5	5.0	0.5	7.2	3.2	6.5	0.5	0.5
MPEM-39N	0.039	7.2	3.2	6.5	5.0	0.5	7.2	3.2	6.5	0.5	0.5
MPEM-47N	0.047	7.2	3.2	6.5	5.0	0.5	7.2	3.2	6.5	0.5	0.5
MPEM-56N	0.056	7.2	3.2	6.5	5.0	0.5	7.2	3.2	6.5	0.5	0.5
MPEM-68N	0.068	7.2	3.2	6.5	5.0	0.5	7.2	3.2	6.5	0.5	0.5
MPEM-82N	0.082	7.2	4.0	8.0	5.0	0.5	7.2	4.0	7.0	0.5	0.5
MPEM-100N	0.1	7.2	4.0	8.0	5.0	0.5	7.2	4.0	7.0	0.5	0.5
MPEM-120N	0.12	7.2	4.0	8.0	5.0	0.5	7.2	5.0	7.5	0.5	0.5
MPEM-150N	0.15	7.2	4.0	8.0	5.0	0.5	7.2	5.0	7.5	0.5	0.6
MPEM-180N	0.18	7.2	4.0	8.0	5.0	0.5	7.2	5.0	10.0	0.5	0.6
MPEM-220N	0.22	7.2	4.0	8.0	5.0	0.5	7.2	5.0	10.0	0.5	0.6
MPEM-270N	0.27	7.2	4.5	8.0	5.0	0.5	7.2	6.0	11.0	0.5	0.6
MPEM-330N	0.33	7.2	4.5	8.0	5.0	0.5	7.3	8.0	11.0	0.5	0.6
MPEM-390N	0.39	7.5	4.5	9.0	5.0	0.5	7.3				
MPEM-470N	0.47	7.5	4.5	9.0	5.0	0.5	7.2	6.0	11.0	5.0	0.5
MPEM-560N	0.56	7.5	5.2	10.0	5.0	0.5					
MPEM-680N	0.68	7.5	5.2	10.0	5.0	0.5	7.2	6.0	11.0	5.0	0.6
MPEM-820N	0.82	7.5	6.0	11.0	5.0	0.5					
MPEM-1U	1	7.5	8.0	11.0	5.0	0.5	7.2	6.0	11.0	7.5	0.6
MPEM-2.2U	2.2	7.2	6.0	11.0	5.0	0.5	7.2	6.0	11.0	7.5	0.6
250 VDC											
MPEM-100N	0.1	12.0	4.0	9.0	10.0	0.6					
MPEM-220N	0.22	12.0	7.0	11.0	10.0	0.6					
MPEM-470N	0.47	18.0	7.0	14.0	15.0	0.8					
MPEM-1U	1	23.0	7.0	14.0	20.0	0.8					
MPEM-2.2U	2.2	23.0	12.0	20.0	20.0	0.5					
400 VDC											
MPEM-100N	0.1	12.0	5.0	10.0	10.0	0.8					
MPEM-220N	0.22	18.0	6.0	11.0	15.0	0.8					
MPEM-470N	0.47	23.0	7.0	14.0	20.0	0.8					
MPEM-1U	1	23.0	9.0	18.0	20.0	0.8					
630 VDC											
MPEM-10N	0.01	12.0	4.0	8.0	10.0	0.6					
MPEM-22N	0.022	12.0	4.0	8.0	10.0	0.6					
MPEM-33N	0.033	12.0	5.0	9.0	10.0	0.6					
MPEM-47N	0.047	12.0	5.5	11.0	10.0	0.6					
MPEM-100N	0.1	18.0	6.0	12.0	15.0	0.8					