

**NISSEI** METALLIZED POLYESTER FILM CAPACITOR

Type MMH

**Features**

High reliability.  
 Highly reliable because of its self-healing performance.  
 Uniform flame-retardant epoxy resin coating from the latest resin technology. This provides miniature size and lightweight.  
 Available in series from low voltage to high voltage.

**Specifications**

Temp range	-40 to +85C (+105C)*	Insulation resistance	C ≤ 0.33 microF 15,000M-Ohm or more C > 0.33 microF 5,000M-Ohm or more
Voltage	100V, 250V, 400V, 630V, 1000V, 1250V.d.c	Endurance	85C WV x 125%, 1000h C/C +/-5% within tan-delta 0.01 or less IRC ≤ 0.33microF 2,700M-Ohm or more C > 0.33microF 900M-Ohm or more
Capacitance	100V 0.033 to 4.7 microF 250V 0.047 to 3.3 microF 400V 0.022 to 1.5 microF 630V 0.0010 to 0.68 microF		
Cap. Tolerance	+/-5%(J) +/-10%(K)	Damp heat	60C 90 to 95 %RH WV 500hr C/C +/-7% within tan-delta 0.01 or less IRC ≤ 0.33 microF 2,700M-Ohm or more C > 0.33 microF 900M-Ohm or more
Tangent of loss angle	0.008 or less (at 1KHz)		

\* () Marked temperature shows opera table range when voltage derated.

**Dimensions (mm)**

Type MMH (E-12)	WV	MMH 100V.d.c.						MMH 250V.d.c.						MMH 400V.d.c.							
		SIZE		W	H	T	P	F	d	W	H	T	P	F	d	W	H	T	P	F	d
		Cap (microF)																			
223	0.022														13.0	7.0	4.0	10.0	5.0/7.5/10.0	0.6	
273	0.027														13.0	7.5	4.5	10.0	5.0/7.5/10.0	0.6	
333	0.033	9.5	5.5	3.5	7.5	5.0/7.5	0.5								13.0	9.0	4.5	10.0	5.0/7.5/10.0	0.6	
393	0.039	9.5	5.5	3.5	7.5	5.0/7.5	0.5								13.0	9.5	4.5	10.0	5.0/7.5/10.0	0.6	
473	0.047	9.5	5.5	3.5	7.5	5.0/7.5	0.5	10.0	7.5	4.5	7.5	5.0/7.5	0.6	13.0	10.0	5.0	10.0	5.0/7.5/10.0	0.6		
563	0.056	9.5	5.5	3.5	7.5	5.0/7.5	0.5	10.0	8.0	5.0	7.5	5.0/7.5	0.6	13.0	10.5	5.0	10.0	5.0/7.5/10.0	0.6		
683	0.068	9.5	5.5	3.5	7.5	5.0/7.5	0.5	10.0	8.5	5.0	7.5	5.0/7.5	0.6	13.0	10.0	6.5	10.0	5.0/7.5/10.0	0.6		
823	0.082	9.5	5.5	3.5	7.5	5.0/7.5	0.5	13.0	8.5	4.5	10.0	5.0/7.5/10.0	0.6	13.0	10.5	7.0	10.0	5.0/7.5/10.0	0.6		
104	0.10	10.0	7.0	3.8	7.5	5.0/7.5	0.5	13.0	9.5	4.5	10.0	5.0/7.5/10.0	0.6	18.0	10.5	5.0	15.0	5.0/7.5/10.0	0.6		
124	0.12	10.0	7.5	3.8	7.5	5.0/7.5	0.5	13.0	10.0	5.0	10.0	5.0/7.5/10.0	0.6	18.0	11.0	5.5	15.0	5.0/7.5/10.0	0.6		
154	0.15	10.0	8.0	4.0	7.5	5.0/7.5	0.5	13.0	10.5	5.0	10.0	5.0/7.5/10.0	0.6	18.0	12.0	6.5	15.0	5.0/7.5/10.0	0.6		
184	0.18	10.0	8.0	4.3	7.5	5.0/7.5	0.5	13.0	11.0	5.5	10.0	5.0/7.5/10.0	0.6	18.0	12.5	7.0	15.0	5.0/7.5/10.0	0.6		
224	0.22	10.0	8.0	4.5	7.5	5.0/7.5	0.5	13.0	11.5	6.0	10.0	5.0/7.5/10.0	0.6	18.0	15.0	6.5	15.0	5.0/7.5/10.0	0.6		
274	0.27	10.0	9.8	4.5	7.5	5.0/7.5	0.5	18.0	10.5	5.0	15.0	5.0/7.5/15.0	0.6	18.0	15.0	8.0	15.0	5.0/7.5/10.0	0.8		
334	0.33	10.0	11.0	4.5	7.5	5.0/7.5	0.5	18.0	12.0	5.0	15.0	5.0/7.5/15.0	0.6	18.0	15.5	8.5	15.0	5.0/7.5/10.0	0.8		
394	0.39	10.0	11.5	5.0	7.5	5.0/7.5	0.5	18.0	12.5	5.5	15.0	5.0/7.5/15.0	0.6	18.0	16.5	9.0	15.0	5.0/7.5/10.0	0.8		
474	0.47	10.0	12.0	5.3	7.5	5.0/7.5	0.5	18.0	13.0	6.0	15.0	5.0/7.5/15.0	0.6	25.0	17.5	7.0	22.5	22.5	0.8		
564	0.56	12.5	10.5	5.3	10.0	5.0/7.5/15.0	0.6	18.0	15.0	6.0	15.0	5.0/7.5/15.0	0.6	25.0	18.0	7.5	22.5	22.5	0.8		
684	0.68	12.5	10.5	6.4	10.0	5.0/7.5/15.0	0.6	18.0	15.5	7.0	15.0	5.0/7.5/15.0	0.8	25.0	19.0	8.5	22.5	22.5	0.8		
824	0.82	12.5	13.5	5.7	10.0	5.0/7.5/15.0	0.6	18.0	25.0	15.0	6.0	22.5	0.8	25.0	19.5	9.5	22.5	22.5	0.8		
105	1.0	12.5	14.0	6.0	10.0	5.0/7.5/15.0	0.6	18.0	15.5	6.5	6.0	22.5	0.8	25.0	20.5	10.5	22.5	22.5	0.8		
125	1.2	18.0	12.0	5.5	15.0	5.0/7.5/15.0	0.8	18.0	16.0	7.3	6.0	22.5	0.8	25.0	21.5	11.5	22.5	22.5	0.8		
155	1.5	18.0	13.0	6.0	15.0	5.0/7.5/15.0	0.8	18.0	17.0	8.0	6.0	22.5	0.8	30.0	21.5	11.5	27.5	27.5	0.8		
185	1.8	18.0	13.5	6.5	15.0	5.0/7.5/15.0	0.8	18.0	17.5	9.0	6.0	22.5	0.8								
225	2.2	18.0	14.0	7.3	15.0	5.0/7.5/15.0	0.8	30.0	17.5	8.5	27.5	27.5	0.8								
275	2.7	25.0	13.5	6.5	22.5	22.5	0.8	30.0	18.5	10.5	27.5	27.5	0.8								
335	3.3	25.0	15.0	7.0	22.5	22.5	0.8	30.0	19.5	11.0	27.5	27.5	0.8								
395	3.9	25.0	16.0	7.5	22.5	22.5	0.8														
475	4.7	25.0	17.0	8.0	22.5	22.5	0.8														