

特徴/Features

- MMHタイプを更に、小型化した製品です。
- 自己回復作用があるため、信頼性に優れております。
- 外装は最新のエポキシ加工により難燃性のエポキシ樹脂による均一な厚さで覆われていますので小型軽量となっています。

- ★Smaller version of MMH type.
- ★Highly reliable because of its self-healing performance.
- ★Uniform flame-retardant epoxy resin coating through the latest resin technology. This provides miniature size and light weight.

規格/Specifications

使用温度範囲 Temp. range	-40~+85°C (+105°C)*1	絶縁抵抗 Insulation resistance	C ≤ 0.33 μF 15,000M Ω _{off more} C > 0.33 μF 5,000 Ω F _{off more}
定格電圧 Rated voltage	100V, 250V, 400V, 450V, 630V, 1000V, 1250Vdc	高温負荷 Endurance	85°C WV×125% 1000hr印加 ※3 ΔC/C ±5% _{off in} tan δ 0.01 _{off T_{ess}} IR C ≤ 0.33 μF 2,700M Ω _{off more} C > 0.33 μF 900 Ω F _{off more}
静電容量範囲 Capacitance	100V 0.033~4.7 μF 250V 0.0010~10 μF 400V 0.0010~4.7 μF 450V 0.0010~3.3 μF 630V 0.0010~2.2 μF 1000V 0.0010~0.47 μF 1250V 0.0010~0.22 μF (各定格 E-12シリーズ)		
静電容量許容差 Cap. tolerance	±5% (J), ±10% (K)	耐湿負荷 Damp heat	40°C 90~95%RH WV 500hr印加 ΔC/C ±7% _{off in} tan δ 0.01 _{off T_{ess}} IR C ≤ 0.33 μF 2,700M Ω _{off more} C > 0.33 μF 900 Ω F _{off more}
誘電正接 Tangent of loss angle	0.008 _{off T_{ess}} (at 1kHz)		

※1 () 温度は電圧軽減による使用可能範囲です。

※1 () Marked temperature shows operatable when voltage is derated.

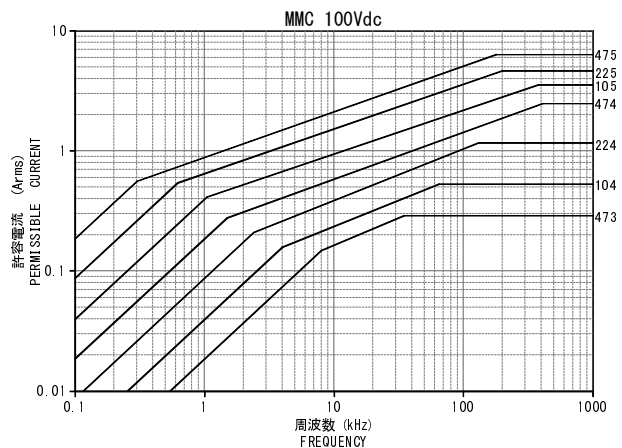
形状 Style	ストレートリード Straight lead type		フォーミング Forming lead type						
				F=5.0	F=7.5	F=10.0	F=15.0	F=22.5	F=5.0
Cap範囲 Cap range	100Vdc	333~475	333~474	333~105	564~105	125~225	275~475	564~225	125~225

寸法/Dimensions (mm)

周波数に対する許容電流特性

Characteristics of permissible current to frequency

Cap CODE	Cap (μF)	MMC 100Vdc										基準収納数 NUMBER OF PIECES FOR PACKING UNIT				
		W	H	T	P	F	φ d	テーピング Taping	ロング Long	フォーミング Formed		Ammo	Bag	Bag	Box	
333	0.033	9.5	5.5	3.5	7.5	5.0/7.5	0.5	2,000	200	4,000	200	5,000				
393	0.039	9.5	5.5	3.5	7.5	5.0/7.5	0.5	2,000	200	4,000	200	5,000				
473	0.047	9.5	5.5	3.5	7.5	5.0/7.5	0.5	2,000	200	4,000	200	5,000				
563	0.056	9.5	5.5	3.5	7.5	5.0/7.5	0.5	2,000	200	4,000	200	5,000				
683	0.068	9.5	5.5	3.5	7.5	5.0/7.5	0.5	2,000	200	4,000	200	5,000				
823	0.082	9.5	5.5	3.5	7.5	5.0/7.5	0.5	2,000	200	3,000	200	5,000				
104	0.10	10.0	7.0	3.8	7.5	5.0/7.5	0.5	2,000	200	3,000	200	4,000				
124	0.12	10.0	7.5	3.8	7.5	5.0/7.5	0.5	2,000	200	3,000	200	4,000				
154	0.15	10.0	8.0	4.0	7.5	5.0/7.5	0.5	2,000	200	2,000	200	4,000				
184	0.18	10.0	8.0	4.3	7.5	5.0/7.5	0.5	1,000	200	2,000	200	4,000				
224	0.22	10.0	8.0	4.5	7.5	5.0/7.5	0.5	1,000	200	2,000	200	3,000				
274	0.27	10.0	9.8	4.5	7.5	5.0/7.5	0.5	1,000	200	2,000	200	3,000				
334	0.33	10.0	11.0	4.5	7.5	5.0/7.5	0.5	1,000	200	2,000	200	2,000				
394	0.39	10.0	11.5	5.0	7.5	5.0/7.5	0.5	1,000	100	1,500	200	2,000				
474	0.47	10.0	12.0	5.3	7.5	5.0/7.5	0.5	1,000	100	1,500	200	2,000				
564	0.56	12.5	10.5	5.3	10.0	5.0/7.5/10.0	0.6	1,000	100	1,000	100	1,500				
684	0.68	12.5	10.5	6.4	10.0	5.0/7.5/10.0	0.6	500	100	1,000	100	1,500				
824	0.82	12.5	13.5	5.7	10.0	5.0/7.5/10.0	0.6	500	100	1,000	100	1,000				
105	1.0	12.5	14.0	6.0	10.0	5.0/7.5/10.0	0.6	500	100	1,000	100	1,000				
125	1.2	18.0	12.0	5.5	15.0	5.0/7.5/15.0	0.8	500	50	500	100	1,000				
155	1.5	18.0	13.0	6.0	15.0	5.0/7.5/15.0	0.8	500	50	500	100	1,000				
185	1.8	18.0	13.5	6.5	15.0	5.0/7.5/15.0	0.8	400	50	500	50	500				
225	2.2	18.0	14.0	7.3	15.0	5.0/7.5/15.0	0.8	400	50	500	50	500				
275	2.7	25.0	13.5	6.5	22.5	22.5	0.8		50	250	50	500				
335	3.3	25.0	15.0	7.0	22.5	22.5	0.8		50	250	50	500				
395	3.9	25.0	16.0	7.5	22.5	22.5	0.8		50	250	50	500				
475	4.7	25.0	17.0	8.0	22.5	22.5	0.8		50	250	50	250				



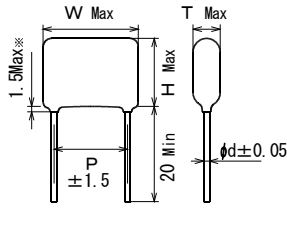
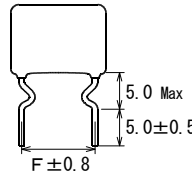
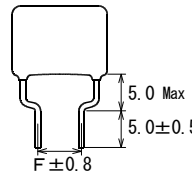
ご使用にあたっては、使用上の注意事項をご確認の上、技術仕様書等をお求め願ひ、仕様書の範囲内でのご使用をお願いいたします。

When using our capacitors, please consider the application notes and contact NISSEI for additional technical specifications relating to the limits of our performance characteristics.

形状 Style	ストレートリード Straight lead type		フォーミング Forming lead type							
Cap範囲	450Vdc	102~335	102~333	102~104	393~154	184~474	564~125	155~335	393~474	124~474
Cap range	630Vdc	102~225	102~822	102~473	103~473	563~224	274~684	824~225	103~224	563~224

寸法/Dimensions (mm)

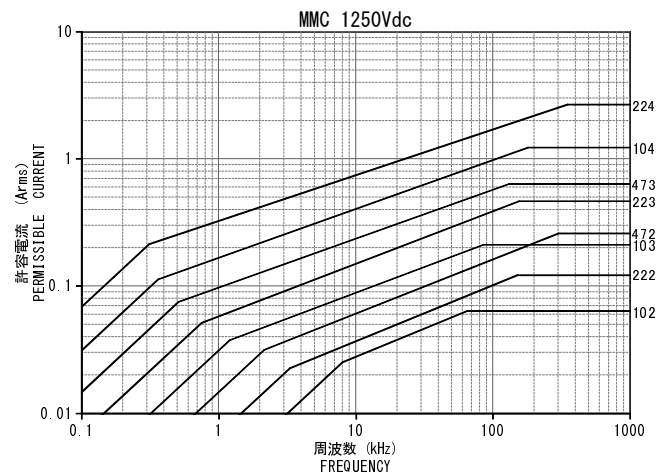
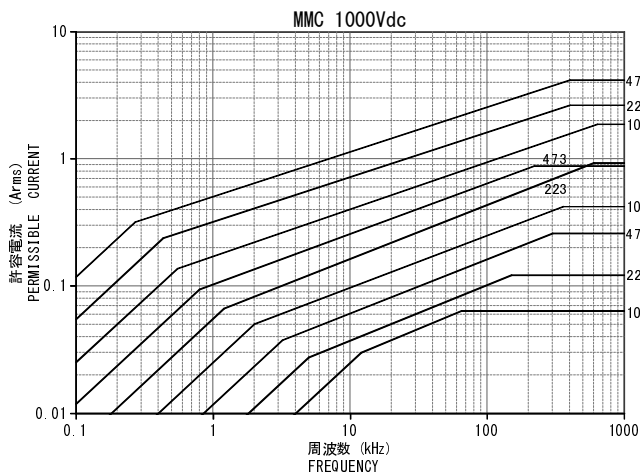
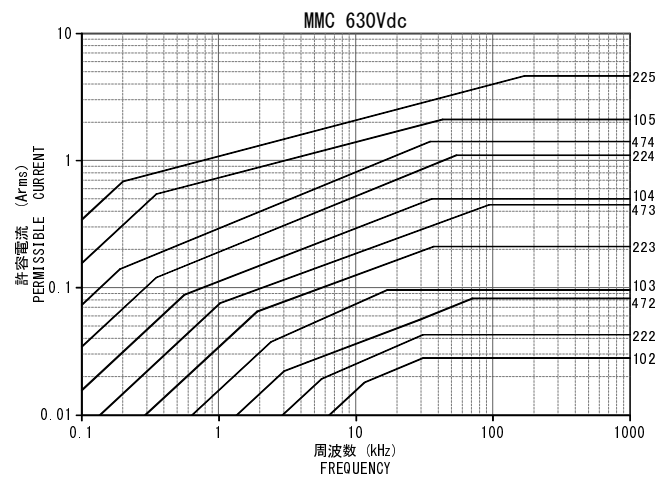
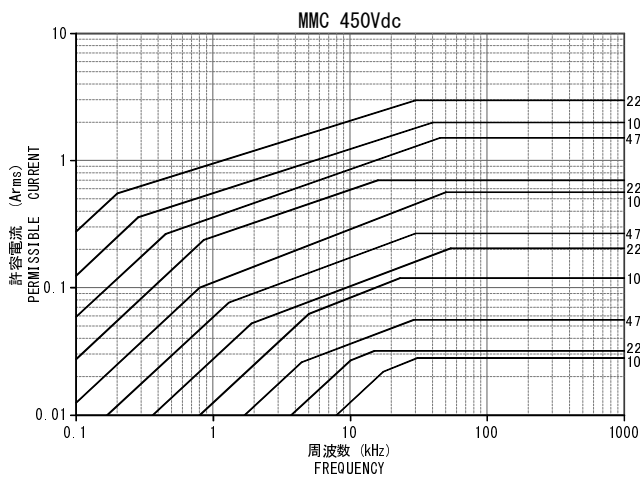
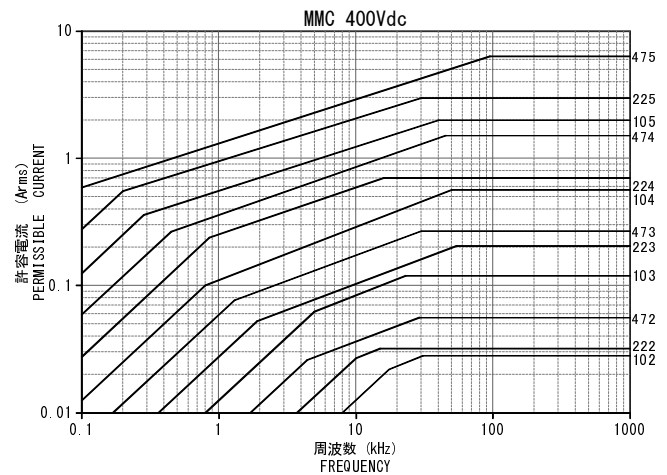
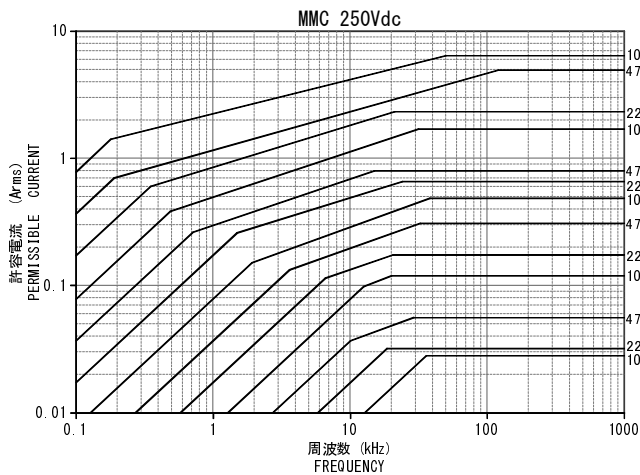
Cap CODE	Cap (μF)	MMC 450Vdc							MMC 630Vdc														
		W	H	T	P	F	φ d	基準収納数 NUMBER OF PIECES FOR PACKING UNIT			基準収納数 NUMBER OF PIECES FOR PACKING UNIT												
								テーピング Taping	ロング Long	フォーミング Formed	テーピング Taping	ロング Long	フォーミング Formed										
102	0.0010	10.3	7.0	4.0	7.5	5.0/7.5	0.6	1,000	200	2,000	200	2,000	10.3	7.5	4.5	7.5	5.0/7.5	0.6	1,000	200	2,000	200	2,000
335	3.3	30.0	26.5	15.5	27.5	27.5	0.8		20	100	20	100						0.8		20	100	20	100

形状 Style	ストレートリード Straight lead type		フォーミング Forming lead type				
				F=10.0	F=12.5	F=12.5	F=17.5
Cap範囲 Cap range	1000Vdc 1250Vdc	102~474 102~224	102~682 102~682	822~223 —	273~104 822~223	124~274 273~473	334~474 563~224

寸法 / Dimensions (mm)

Cap CODE	Cap (μF)	MMC 1000Vdc								NUMBER OF PIECES FOR PACKING UNIT				MMC 1250Vdc								NUMBER OF PIECES FOR PACKING UNIT			
		W	H	T	P	F	φ d	ロング Long		フォーミング Formed		W	H	T	P	F	φ d	ロング Long		フォーミング Formed					
								Bag	Box	Bag	Box							Bag	Box	Bag	Box				
102	0.0010	15.5	11.0	6.0	12.5	10.0	0.6	100	1,500	100	1,500	15.5	11.0	6.0	12.5	10.0	0.6	100	1,500	100	1,500				
122	0.0012	15.5	11.0	6.0	12.5	10.0	0.6	100	1,500	100	1,500	15.5	11.0	6.0	12.5	10.0	0.6	100	1,500	100	1,500				
152	0.0015	15.5	11.0	6.0	12.5	10.0	0.6	100	1,500	100	1,500	15.5	11.0	6.0	12.5	10.0	0.6	100	1,500	100	1,500				
182	0.0018	15.5	11.0	6.0	12.5	10.0	0.6	100	1,500	100	1,500	15.5	11.0	6.0	12.5	10.0	0.6	100	1,500	100	1,500				
222	0.0022	15.5	11.5	6.0	12.5	10.0	0.6	100	1,500	100	1,500	15.5	11.5	6.0	12.5	10.0	0.6	100	1,500	100	1,500				
272	0.0027	15.5	12.0	6.5	12.5	10.0	0.6	100	1,500	100	1,500	15.5	12.0	6.5	12.5	10.0	0.6	100	1,500	100	1,500				
332	0.0033	15.5	11.5	6.0	12.5	10.0	0.6	100	1,000	100	1,000	15.5	11.5	6.0	12.5	10.0	0.6	100	1,000	100	1,000				
392	0.0039	15.5	12.0	6.5	12.5	10.0	0.6	100	1,000	100	1,000	15.5	12.0	6.5	12.5	10.0	0.6	100	1,000	100	1,000				
472	0.0047	15.5	12.5	7.0	12.5	10.0	0.6	100	1,000	100	1,000	15.5	12.5	7.0	12.5	10.0	0.6	100	1,000	100	1,000				
562	0.0056	15.5	13.0	7.5	12.5	10.0	0.6	100	1,000	100	1,000	15.5	13.0	7.5	12.5	10.0	0.6	100	1,000	100	1,000				
682	0.0068	15.5	11.0	6.0	12.5	10.0	0.6	100	1,000	100	1,000	15.5	15.0	7.5	12.5	10.0	0.6	100	1,000	100	1,000				
822	0.0082	15.5	11.0	6.0	12.5	12.5	0.6	100	1,000	100	1,000	21.0	12.0	5.0	17.5	12.5	0.6	100	500	100	500				
103	0.010	15.5	11.0	6.0	12.5	12.5	0.6	100	1,000	100	1,000	21.0	12.5	5.0	17.5	12.5	0.6	100	500	100	500				
123	0.012	15.5	12.0	6.0	12.5	12.5	0.6	100	1,000	100	1,000	21.0	13.0	5.5	17.5	12.5	0.6	100	500	100	500				
153	0.015	15.5	12.5	7.0	12.5	12.5	0.6	100	1,000	100	1,000	21.0	13.5	6.0	17.5	12.5	0.6	100	500	100	500				
183	0.018	15.5	13.0	7.5	12.5	12.5	0.8	100	1,000	100	1,000	21.0	14.5	6.5	17.5	12.5	0.8	100	500	100	500				
223	0.022	15.5	15.5	7.5	12.5	12.5	0.8	100	1,000	100	1,000	21.0	15.0	7.0	17.5	12.5	0.8	50	250	50	250				
273	0.027	21.0	13.0	6.0	17.5	12.5	0.8	50	500	50	500	26.0	15.5	6.0	22.5	17.5	0.8	50	250	50	250				
333	0.033	21.0	14.0	6.5	17.5	12.5	0.8	50	500	50	500	26.0	16.0	6.5	22.5	17.5	0.8	50	250	50	250				
393	0.039	21.0	14.5	7.0	17.5	12.5	0.8	50	500	50	500	26.0	16.5	7.0	22.5	17.5	0.8	50	250	50	250				
473	0.047	21.0	15.5	7.5	17.5	12.5	0.8	50	300	50	300	26.0	17.0	8.0	22.5	17.5	0.8	50	250	50	250				
563	0.056	21.0	17.0	7.5	17.5	12.5	0.8	50	300	50	300	31.0	17.0	7.5	27.5	22.5	0.8	50	250	50	250				
683	0.068	21.0	18.0	8.5	17.5	12.5	0.8	50	300	50	300	31.0	17.5	8.0	27.5	22.5	0.8	50	250	50	250				
823	0.082	21.0	18.5	9.0	17.5	12.5	0.8	50	300	50	300	31.0	18.5	9.0	27.5	22.5	0.8	50	150	50	150				
104	0.10	21.0	20.0	10.0	17.5	12.5	0.8	50	300	50	300	31.0	19.5	10.0	27.5	22.5	0.8	50	150	50	150				
124	0.12	26.0	18.5	9.0	22.5	17.5	0.8	50	250	50	250	31.0	20.5	11.5	27.5	22.5	0.8	50	150	50	150				
154	0.15	26.0	20.0	10.0	22.5	17.5	0.8	50	250	50	250	31.0	23.0	12.0	27.5	22.5	0.8	50	150	50	150				
184	0.18	26.0	22.0	10.5	22.5	17.5	0.8	50	150	50	150	31.0	24.5	13.0	27.5	22.5	0.8	50	150	50	150				
224	0.22	26.0	23.0	12.0	22.5	17.5	0.8	50	150	50	150	31.0	26.5	14.5	27.5	22.5	0.8	25	100	50	150				
274	0.27	26.0	25.0	13.5	22.5	17.5	0.8	25	150	25	150														
334	0.33	31.0	24.0	13.0	27.5	22.5	0.8	20	100	20	100														
394	0.39	31.0	26.0	14.0	27.5	22.5	0.8	20	100	20	100														
474	0.47	31.0	27.5	15.5	27.5	22.5	0.8	20	100	20	100														

周波数に対する許容電流特性 / Characteristics of permissible current to frequency



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