

特徴／Features

- オーディオ用としてリード線に無酸素銅線（φ0.6mm）を使用したMTF (A)があります。MTF (A)は全てフォーミング品です。MTFF、MTFVいずれかの型名でご注文下さい。
- 0.01～1.0μFまで、リードピッチ寸法は5.0mmで統一されており、自動挿入用テーピング品はストレートおよびフォーミングのいずれも可能です。

- ★We have MTF (A) type where oxygen-free copper wires are used as lead wires and all lead wires of MTF (A) type are formed.
- When ordering, please tell us which type you require among MTFF and MTFV.
- ★Standardized 5.0 mm lead spacing from 0.01 to 1.0 μF and available both in lead formed type and straight lead type for auto insertion.

規格／Specifications

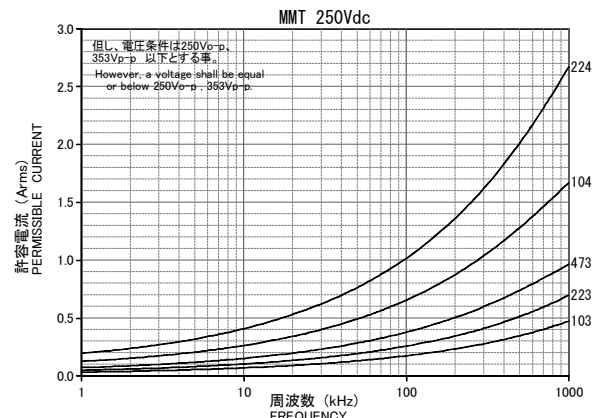
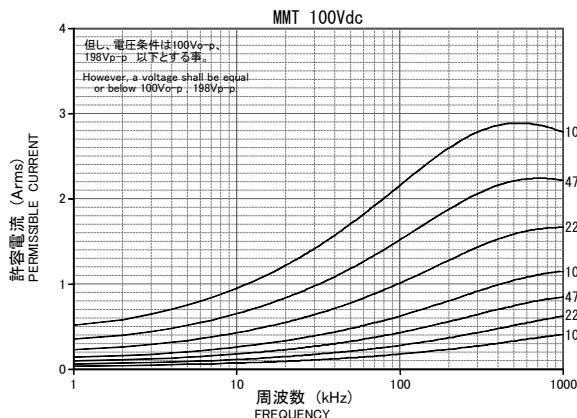
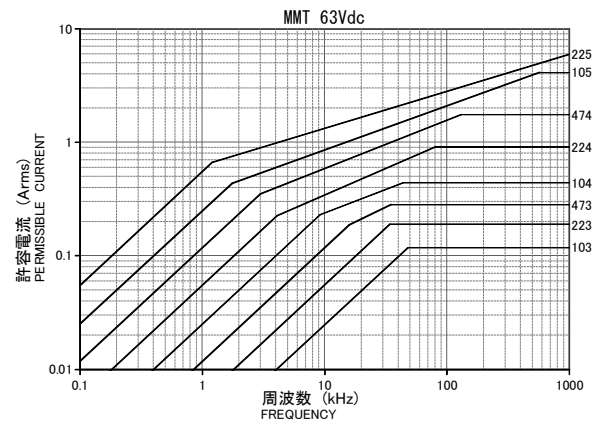
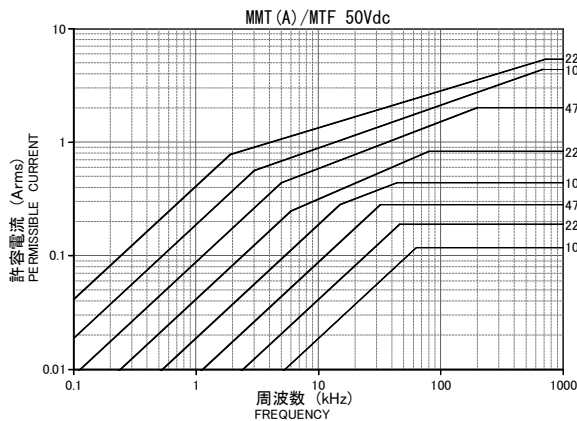
使用温度範囲 Temp. range	-40～+85℃ (+105℃)※
定格電圧 Rated voltage	50Vdc, 63V, 100V, 250Vdc
静電容量範囲 Capacitance	50Vdc 0.010～3.3μF (E-12) 63Vdc 0.010～3.3μF (E-12) 100Vdc 0.010～1.0μF (E-12) 250Vdc 0.010～0.22μF (E-12)
静電容量許容差 Cap. tolerance	±5% (J)
誘電正接 Tangent of loss angle	0.01 _{at 1kHz} (at 1kHz)
絶縁抵抗 Insulation resistance	C ≤ 0.33μF 3,000Ω _{or more} C > 0.33μF 1,000Ω _{or more}
高温負荷 Endurance	85℃ WV × 125% 1000hr印加 ΔC/C ±5% _{or in} tan δ 0.01 _{or less} IR C ≤ 0.33μF 1,000MΩ _{or more} C > 0.33μF 300Ω _{or more}
耐湿負荷 Damp heat	40℃ 90～95%RH WV 500hr印加 ΔC/C ±7% _{or in} tan δ 0.011 _{or less} IR C ≤ 0.33μF 100MΩ _{or more} C > 0.33μF 30Ω _{or more}

※（ ）温度は電圧軽減による使用可能範囲です。

※（ ）Marked temperature shows operatable range 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
	※ MMT (A), MTF (A) 50V, MMT100V, 250V P±1.0 MMT63V P±1.5	
Cap範囲 Cap range	MMT (A) 50Vdc	103～335
	MMT 63Vdc	103～335
	MMT 100Vdc	103～105
	MMT 250Vdc	103～224
	MTF (A) 50Vdc	103～335

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



寸法／Dimensions (mm)

Cap CODE	Cap (μ F)	基準収納数 NUMBER OF PIECES FOR PACKING UNIT										基準収納数 NUMBER OF PIECES FOR PACKING UNIT										基準収納数 NUMBER OF PIECES FOR PACKING UNIT																
		MMT (A) 50Vdc					MTF (A) 50Vdc					MMT 63Vdc					MTF (A) 50Vdc					MMT 63Vdc					MTF (A) 50Vdc											
		W	H	T	P	F	ϕ d	テーピング Taping	ロング Long	フォーミング Formed	W	H	T	P	F	ϕ d	テーピング Taping	ロング Long	フォーミング Formed	W	H	T	P	F	ϕ d	テーピング Taping	ロング Long	フォーミング Formed	W	H	T	P	F	ϕ d				
		Ammo	Bag	Box	Bag	Box			Ammo	Bag	Box			Ammo	Bag	Box			Ammo	Bag	Box			Ammo	Bag	Box			Ammo	Bag	Box							
103	0.010	7.3	5.0	3.2	5.0	5.0	0.5	2,000	200	4,000	200	6,000	7.3	5.0	3.2	5.0	5.0	0.6	2,000	200	6,000	8.0	5.0	3.2	5.0	5.0	0.5	2,000	200	4,000	200	6,000	7.3	5.0	3.2	5.0	5.0	0.6
123	0.012	7.3	5.0	3.2	5.0	5.0	0.5	2,000	200	4,000	200	6,000	7.3	5.0	3.2	5.0	5.0	0.6	2,000	200	6,000	8.0	5.0	3.2	5.0	5.0	0.5	2,000	200	4,000	200	6,000	7.3	5.0	3.2	5.0	5.0	0.6
153	0.015	7.3	5.0	3.2	5.0	5.0	0.5	2,000	200	4,000	200	6,000	7.3	5.0	3.2	5.0	5.0	0.6	2,000	200	6,000	8.0	5.0	3.2	5.0	5.0	0.5	2,000	200	4,000	200	6,000	7.3	5.0	3.2	5.0	5.0	0.6
183	0.018	7.3	5.0	3.2	5.0	5.0	0.5	2,000	200	4,000	200	6,000	7.3	5.0	3.2	5.0	5.0	0.6	2,000	200	6,000	8.0	5.0	3.2	5.0	5.0	0.5	2,000	200	4,000	200	6,000	7.3	5.0	3.2	5.0	5.0	0.6
223	0.022	7.3	5.0	3.2	5.0	5.0	0.5	2,000	200	4,000	200	6,000	7.3	5.0	3.2	5.0	5.0	0.6	2,000	200	6,000	8.0	5.0	3.2	5.0	5.0	0.5	2,000	200	4,000	200	6,000	7.3	5.0	3.2	5.0	5.0	0.6
273	0.027	7.3	5.0	3.2	5.0	5.0	0.5	2,000	200	4,000	200	6,000	7.3	5.0	3.2	5.0	5.0	0.6	2,000	200	6,000	8.0	5.0	3.2	5.0	5.0	0.5	2,000	200	4,000	200	6,000	7.3	5.0	3.2	5.0	5.0	0.6
333	0.033	7.3	5.0	3.2	5.0	5.0	0.5	2,000	200	4,000	200	6,000	7.3	5.0	3.2	5.0	5.0	0.6	2,000	200	6,000	8.0	5.0	3.2	5.0	5.0	0.5	2,000	200	4,000	200	6,000	7.3	5.0	3.2	5.0	5.0	0.6
393	0.039	7.3	5.0	3.2	5.0	5.0	0.5	2,000	200	4,000	200	6,000	7.3	5.0	3.2	5.0	5.0	0.6	2,000	200	6,000	8.0	5.0	3.2	5.0	5.0	0.5	2,000	200	4,000	200	6,000	7.3	5.0	3.2	5.0	5.0	0.6
473	0.047	7.3	5.0	3.2	5.0	5.0	0.5	2,000	200	4,000	200	6,000	7.3	5.0	3.2	5.0	5.0	0.6	2,000	200	6,000	8.0	5.0	3.2	5.0	5.0	0.5	2,000	200	4,000	200	6,000	7.3	5.0	3.2	5.0	5.0	0.6
563	0.056	7.3	5.0	3.2	5.0	5.0	0.5	2,000	200	4,000	200	6,000	7.3	5.0	3.2	5.0	5.0	0.6	2,000	200	6,000	8.0	5.0	3.2	5.0	5.0	0.5	2,000	200	4,000	200	6,000	7.3	5.0	3.2	5.0	5.0	0.6
683	0.068	7.3	5.0	3.2	5.0	5.0	0.5	2,000	200	4,000	200	6,000	7.3	5.0	3.2	5.0	5.0	0.6	2,000	200	6,000	8.0	5.0	3.2	5.0	5.0	0.5	2,000	200	4,000	200	6,000	7.3	5.0	3.2	5.0	5.0	0.6
823	0.082	7.3	5.0	3.2	5.0	5.0	0.5	2,000	200	4,000	200	6,000	7.3	5.0	3.2	5.0	5.0	0.6	2,000	200	6,000	8.0	5.0	3.2	5.0	5.0	0.5	2,000	200	4,000	200	6,000	7.3	5.0	3.2	5.0	5.0	0.6
104	0.10	7.3	5.0	3.2	5.0	5.0	0.5	2,000	200	4,000	200	6,000	7.3	5.0	3.2	5.0	5.0	0.6	2,000	200	6,000	8.0	5.0	3.2	5.0	5.0	0.5	2,000	200	4,000	200	6,000	7.3	5.0	3.2	5.0	5.0	0.6
124	0.12	7.3	5.0	3.2	5.0	5.0	0.5	2,000	200	4,000	200	6,000	7.3	5.0	3.2	5.0	5.0	0.6	2,000	200	6,000	8.0	5.0	3.2	5.0	5.0	0.5	2,000	200	4,000	200	6,000	7.3	5.0	3.2	5.0	5.0	0.6
154	0.15	7.3	5.5	3.5	5.0	5.0	0.5	2,000	200	4,000	200	6,000	7.3	5.5	3.5	5.0	5.0	0.6	2,000	200	6,000	8.0	5.5	3.5	5.0	5.0	0.5	2,000	200	4,000	200	6,000	7.3	5.5	3.5	5.0	5.0	0.6
184	0.18	7.3	5.5	4.0	5.0	5.0	0.5	2,000	200	4,000	200	6,000	7.3	5.5	4.0	5.0	5.0	0.6	2,000	200	6,000	8.0	5.5	3.5	5.0	5.0	0.5	2,000	200	4,000	200	6,000	7.3	5.5	4.0	5.0	5.0	0.6
224	0.22	7.3	5.5	4.3	5.0	5.0	0.5	2,000	200	3,000	200	4,000	7.3	5.5	4.3	5.0	5.0	0.6	2,000	200	4,000	8.0	5.5	3.8	5.0	5.0	0.5	2,000	200	3,000	200	4,000	7.3	5.5	4.3	5.0	5.0	0.6
274	0.27	7.3	6.5	4.3	5.0	5.0	0.5	1,000	200	3,000	200	4,000	7.3	6.5	4.3	5.0	5.0	0.6	1,000	200	4,000	8.0	6.5	4.3	5.0	5.0	0.5	1,000	200	3,000	200	4,000	7.3	6.5	4.3	5.0	5.0	0.6
334	0.33	7.3	6.5	4.8	5.0	5.0	0.5	1,000	200	3,000	200	4,000	7.3	6.5	4.8	5.0	5.0	0.6	1,000	200	4,000	8.0	6.5	4.5	5.0	5.0	0.5	1,000	200	3,000	200	4,000	7.3	6.5	4.8	5.0	5.0	0.6
394	0.39	7.3	7.0	5.0	5.0	5.0	0.5	1,000	200	2,000	200	3,000	7.3	7.0	5.0	5.0	5.0	0.6	1,000	200	3,000	8.0	7.0	5.0	5.0	5.0	0.5	1,000	200	2,000	200	3,000	7.3	7.0	5.0	5.0	5.0	0.6
474	0.47	7.3	8.0	5.5	5.0	5.0	0.5	1,000	200	2,000	200	3,000	7.3	8.0	5.5	5.0	5.0	0.6	1,000	200	3,000	8.0	8.0	5.0	5.0	5.0	0.5	1,000	200	2,000	200	3,000	7.3	8.0	5.5	5.0	5.0	0.6
564	0.56	7.3	8.0	5.8	5.0	5.0	0.5	1,000	200	2,000	200	3,000	7.3	8.0	5.8	5.0	5.0	0.6	1,000	200	3,000	8.0	10.0	4.3	5.0	5.0	0.5	1,000	200	2,000	200	3,000	7.3	8.0	5.8	5.0	5.0	0.6
684	0.68	7.3	8.5	6.5	5.0	5.0	0.5	1,000	200	2,000	200	3,000	7.3	8.5	6.5	5.0	5.0	0.6	1,000	200	3,000	8.0	10.0	4.5	5.0	5.0	0.5	1,000	200	2,000	200	3,000	7.3	8.5	6.5	5.0	5.0	0.6
824	0.82	7.3	9.5	6.5	5.0	5.0	0.5	1,000	200	2,000	200	2,000	7.3	9.5	6.5	5.0	5.0	0.6	1,000	200	2,000	8.0	11.0	5.0	5.0	5.0	0.5	1,000	200	2,000	200	2,000	7.3	9.5	6.5	5.0	5.0	0.6
105	1.0	7.3	9.5	7.5	5.0	5.0	0.5	1,000	200	2,000	200	2,000	7.3	9.5	7.5	5.0	5.0	0.6	1,000	200	2,000	8.0	11.0	5.3	5.0	5.0	0.5	1,000	200	2,000	200	2,000	7.3	9.5	7.5	5.0	5.0	0.6
125	1.2	10.0	9.5	5.5	7.5	5.0	0.5	1,000	100	1,000	100	1,500	10.0	9.5	5.5	7.5	5.0	0.6	1,000	100	1,500	11.0	10.0	4.7	7.5	5.0	0.5	1,000	100	1,000	100	1,500	10.0	9.5	5.5	7.5	5.0	0.6
155	1.5	10.0	9.5	6.5	7.5	5.0	0.5	1,000	100	1,000	100	1,500	10.0	9.5	6.5	7.5	5.0	0.6	1,000	100	1,500	11.0	11.0	5.0	7.5	5.0	0.5	1,000	100	1,000	100	1,500	10.0	9.5	6.5	7.5	5.0	0.6
185	1.8	10.0	11.0	6.5	7.5	5.0	0.5		100	1,000	100	1,500	10.0	11.0	6.5	7.5	5.0	0.6		100	1,500	11.0	11.0	5.5	7.5	5.0	0.5		100	1,000	100	1,500	10.0	11.0	6.5	7.5	5.0	0.6
225	2.2	10.0	11.0	7.0	7.5	5.0	0.5		100	1,000	100	1,500	10.0	11.0	7.0	7.5	5.0	0.6		100	1,500	11.0	12.0	6.0	7.5	5.0	0.5		100	1,000	100	1,500	10.0	11.0	7.0	7.5	5.0	0.6
275	2.7	10.0	13.5	7.0	7.5	5.0	0.5		100	1,000	100	1,000	10.0	13.5	7.0	7.5	5.0	0.6		100	1,000	11.0	13.5	6.5	7.5	5.0	0.5		100	1,000	100	1,000	10.0	13.5	7.0	7.5	5.0	0.6
335	3.3	10.0	13.5	8.0	7.5	5.0	0.5		100	1,000	100	1,000	10.0	13.5	8.0	7.5	5.0	0.6		100	1,000	11.0	13.5	7.0	7.5	5.0	0.5		100	1,000	100	1,000	10.0	13.5	8.0	7.5	5.0	0.6

Cap CODE	Cap (μ F)	基準収納数 NUMBER OF PIECES FOR PACKING UNIT										基準収納数 NUMBER OF PIECES FOR PACKING UNIT											
		MMT 100Vdc					MMT 250Vdc					MMT 100Vdc					MMT 250Vdc						
		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	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	テーピング Taping	ロング Long	フォーミング Formed							
W	H	T	P	F	ϕ d	Ammo	Bag	Box	Bag	Box	W	H	T	P	F	ϕ d	Ammo	Bag	Box	Bag	Box		
103	0.010	7.3	5.0	3.2	5.0	5.0	0.5	2,000	200	4,000	200	6,000	7.3	5.0	3.2	5.0	5.0	0.5	2,000	200	4,000	200	6,000
123	0.012	7.3	5.0	3.2	5.0	5.0	0.5	2,000	200	4,000	200	6,000	7.3	5.5	3.2	5.0	5.0	0.5	2,000	200	4,000	200	6,000
153	0.015	7.3	5.0	3.2	5.0	5.0	0.5	2,000	200	4,000	200	6,000	7.3	5.0	3.2	5.0	5.0	0.5	2,000	200	4,000	200	6,000
183	0.018	7.3	5.0	3.2	5.0	5.0	0.5	2,000	200	4,000	200	6,000	7.3	5.5	3.2	5.0	5.0	0.5	2,000	200	4,000	200	6,000
223	0.022	7.3	5.0	3.2	5.0	5.0	0.5	2,000	200	4,000	200	6,000	7.3	5.5	3.2	5.0	5.0	0.5	2,000	200	4,000	200	6,000
273	0.027	7.3	5.0	3.2	5.0	5.0	0.5	2,000	200	4,000	200	6,000	7.3	5.5	3.2	5.0	5.0	0.5	2,000	200	4,000	200	6,000
333	0.033	7.3	5.0	3.2	5.0	5.0	0.5	2,000	200	4,000	200	6,000	7.3	6.0	3.2	5.0	5.0	0.5	2,000	200	4,000	200	6,000
393	0.039	7.3	5.0	3.2	5.0	5.0	0.5	2,000	200	4,000	200	6,000	7.3	6.0	3.5	5.0	5.0	0.5	2,000	200	4,000	200	6,000
473	0.047	7.3	5.0	3.2	5.0	5.0	0.5	2,000	200	4,000	200	6,000	7.3	6.4	3.5	5.0	5.0	0.5	2,000	200	3,000	200	4,000
563	0.056	7.3	5.0	3.2	5.0	5.0	0.5	2,000	200	4,000	200	6,000	7.3	6.4	3.8	5.0	5.0	0.5	2,000	200	3,000	200	4,000
683	0.068	7.3	5.0	3.2	5.0	5.0	0.5	2,000	200	4,000	200	6,000	7.3	6.8	3.8	5.0	5.0	0.5	2,000	200	3,000	200	4,000
823	0.082	7.3	5.0	3.2	5.0	5.0	0.5	2,000	200	4,000	200	6,000	7.3	7.4	4.2	5.0	5.0	0.5	2,000	200	3,000	200	4,000
104	0.10	7.3	5.0	3.2	5.0	5.0	0.5	2,000	200	4,000	200	6,000	7.3	8.2	4.2	5.0	5.0	0.5	2,000	200	2,000	200	3,000
124	0.12	7.3	5.5	3.2	5.0	5.0	0.5	2,000	200	4,000	200	6,000	7.3	8.2	4.7	5.0	5.0	0.5	1,000	200	2,000	200	3,000
154	0.15	7.3	5.0	4.0	5.0	5.0	0.5	2,000	200	4,000	200	6,000	7.3	10.0	4.7	5.0	5.0	0.5	1,000	200	2,000	200	3,000
184	0.18	7.3	5.0	4.3	5.0	5.0	0.5	2,000	200	4,000	200	6,000	7.3	9.5	6.2	5.0	5.0	0.5	1,000	200	2,000	200	3,000
224	0.22	7.3	5.0	4.7	5.0	5.0	0.5	1,000	200	3,000	200	4,000	7.3	10.5	6.2	5.0	5.0	0.5	1,000	200	2,000	200	3,000
274	0.27	7.3	6.0	4.7	5.0	5.0	0.5	1,000	200	3,000	200	4,000											
334	0.33	7.3	6.0	5.3	5.0	5.0	0.5	1,000	200	3,000	200	4,000											
394	0.39	7.3	6.5	5.3	5.0	5.0	0.5	1,000	200	2,000	200	3,000											
474	0.47	7.3	7.5	5.3	5.0	5.0	0.5	1,000	200	2,000	200	3,000											
564	0.56	7.3	7.5	5.6	5.0	5.0	0.5	1,000	200	2,000	200	3,000											
684	0.68	7.3	8.5	5.6	5.0	5.0	0.5	1,000	200	2,000	200	3,000											
824	0.82	7.3	8.5	6.5	5.0	5.0	0.5	1,000	200	2,000	200	2,000											
105	1.0	7.3	10.0	6.5	5.0	5.0	0.5	1,000	200	1,000	200	1,000											