

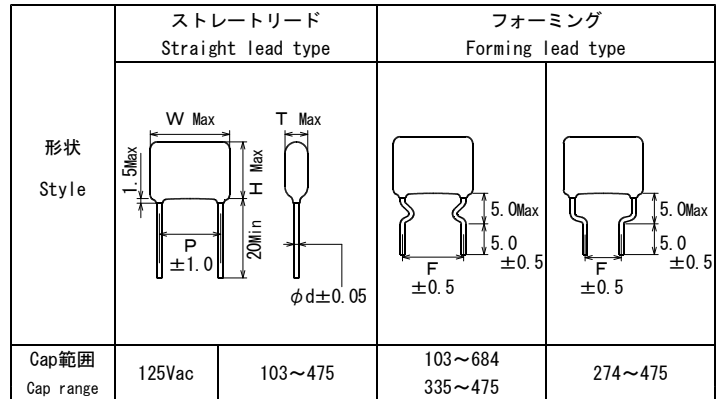
特徴/Features

- 非常に小型化されています。
- 外装に難燃性エポキシ樹脂 (UL94 V-0認定品) を使用しており、電源回路雑音防止用として最適です。

- ★Very small size.
- ★Ideal for use as interference suppression capacitors because a flame-retardant epoxy resin (UL94 V-0 recognized resin) is used as an outer coating.

規格/Specifications

使用温度範囲 Temp. range	-40~+105°C
定格電圧 Rated voltage	125Vac
静電容量範囲 Capacitance	0.010~4.7 μ F (E-12)
静電容量許容差 Cap. tolerance	$\pm 10\%$ (K), $\pm 20\%$ (M)
誘電正接 Tangent of loss angle	0.01 _{at 1kHz} (at 1kHz)
耐電圧 Voltage proof	端子間 Between terminals 288Vac 1min.
	端子外装間 Between terminals and case 1000Vac 1min.
絶縁抵抗 Insulation resistance	$C \leq 0.47 \mu F$ 2,000 Ω $\frac{V}{F}$ $\frac{1}{more}$ (at 500Vdc)
	$C > 0.47 \mu F$ 3,000 Ω $\frac{V}{F}$ $\frac{1}{more}$ (at 100Vdc)
高温負荷 Endurance	105°C WV $\times 120\%$ Vac 1000hr印加 $\Delta C/C \pm 7\%$ $\frac{1}{more}$ in $\tan \delta$ 0.011 _{at 1kHz}
	IR $C \leq 0.47 \mu F$ 1,000 Ω $\frac{V}{F}$ $\frac{1}{more}$ $C > 0.47 \mu F$ 1,500 Ω $\frac{V}{F}$ $\frac{1}{more}$
耐湿負荷 Damp heat	40°C 90~95%RH WV $\times \sqrt{2}$ 1000hr印加 $\Delta C/C \pm 10\%$ $\frac{1}{more}$ in $\tan \delta$ 0.011 _{at 1kHz}
	IR $C \leq 0.47 \mu F$ 1,000 Ω $\frac{V}{F}$ $\frac{1}{more}$ $C > 0.47 \mu F$ 1,500 Ω $\frac{V}{F}$ $\frac{1}{more}$



寸法/Dimensions (mm)

Cap CODE	Cap (μ F)	MML 125Vac											基準収納数 NUMBER OF PIECES FOR PACKING UNIT					
		MML 125Vac							テーピング Taping	ロング Long		フォーミング Formed		Ammo	Bag	Box	Bag	Box
		W	H	T	P	F		ϕd										
103	0.010	9.8	5.6	4.2	7.5	5.0/7.5		0.6	1,000	200	2,000	200	3,000					
123	0.012	9.8	5.6	4.2	7.5	5.0/7.5		0.6	1,000	200	2,000	200	3,000					
153	0.015	9.8	5.6	4.2	7.5	5.0/7.5		0.6	1,000	200	2,000	200	3,000					
183	0.018	9.8	5.9	4.2	7.5	5.0/7.5		0.6	1,000	200	2,000	200	3,000					
223	0.022	9.8	5.9	4.2	7.5	5.0/7.5		0.6	1,000	200	2,000	200	3,000					
273	0.027	9.8	5.9	4.2	7.5	5.0/7.5		0.6	1,000	200	2,000	200	3,000					
333	0.033	9.8	6.0	4.2	7.5	5.0/7.5		0.6	1,000	200	2,000	200	3,000					
393	0.039	9.8	6.0	4.2	7.5	5.0/7.5		0.6	1,000	200	2,000	200	3,000					
473	0.047	9.8	6.2	4.3	7.5	5.0/7.5		0.6	1,000	200	2,000	200	3,000					
563	0.056	9.8	6.4	4.5	7.5	5.0/7.5		0.6	1,000	200	2,000	200	3,000					
683	0.068	9.8	6.7	4.8	7.5	5.0/7.5		0.6	1,000	200	2,000	200	3,000					
823	0.082	9.8	7.7	4.1	7.5	5.0/7.5		0.6	1,000	200	2,000	200	3,000					
104	0.10	9.8	7.7	4.3	7.5	5.0/7.5		0.6	1,000	200	2,000	200	3,000					
124	0.12	9.8	7.7	5.0	7.5	5.0/7.5		0.6	1,000	200	2,000	200	3,000					
154	0.15	9.8	8.6	5.5	7.5	5.0/7.5		0.6	1,000	100	1,500	100	1,500					
184	0.18	9.8	11.2	5.0	7.5	5.0/7.5		0.6	1,000	100	1,500	100	1,500					
224	0.22	9.8	11.8	5.5	7.5	5.0/7.5		0.6	1,000	100	1,500	100	1,500					
274	0.27	12.5	11.3	5.0	10.0	5.0/7.5/10.0		0.6	1,000	100	1,000	100	1,000					
334	0.33	12.5	10.8	6.0	10.0	5.0/7.5/10.0		0.6	1,000	100	1,000	100	1,000					
394	0.39	12.5	11.2	6.5	10.0	5.0/7.5/10.0		0.6	500	100	1,000	100	1,000					
474	0.47	12.5	11.7	7.0	10.0	5.0/7.5/10.0		0.6	500	100	1,000	100	1,000					
564	0.56	12.5	13.3	7.0	10.0	5.0/7.5/10.0		0.6	500	100	500	100	500					
684	0.68	12.5	14.0	7.7	10.0	5.0/7.5/10.0		0.6	500	100	500	100	500					
824	0.82	17.8	12.8	5.6	15.0	5.0/7.5/10.0		0.8	500	100	500	100	500					
105	1.0	17.8	13.4	6.2	15.0	5.0/7.5/10.0		0.8	400	100	500	100	500					
125	1.2	17.8	14.5	7.3	15.0	5.0/7.5/10.0		0.8	400	50	500	50	500					
155	1.5	17.8	15.5	8.5	15.0	5.0/7.5/10.0		0.8	300	50	400	50	500					
185	1.8	17.8	16.5	9.3	15.0	5.0/7.5/10.0		0.8	300	50	250	50	250					
225	2.2	17.8	17.5	10.3	15.0	5.0/7.5/10.0		0.8	200	50	250	50	250					
275	2.7	17.8	18.5	11.5	15.0	5.0/7.5/10.0		0.8	200	50	200	50	200					
335	3.3	25.5	18.5	9.3	22.5	15.0/22.5		0.8		50	200	50	200					
395	3.9	25.5	19.5	10.3	22.5	15.0/22.5		0.8		50	200	50	200					
475	4.7	25.5	20.7	11.3	22.5	15.0/22.5		0.8		50	200	50	200					

特徴/Features

- 外装に難燃性エポキシ樹脂 (UL94 V-0認定品) を使用しており、電源回路雑音防止用として最適です。
- 高信頼性

- ★Ideal for use as interference suppression capacitors because a flame-retardant epoxy resin (UL94 V-0 recognized resin) is used as an outer coating.
- ★High reliability

規格/Specifications

使用温度範囲 Temp. range	-40~+105°C	
定格電圧 Rated voltage	125Vac, 250Vac	
静電容量範囲 Capacitance	125Vac 0.010~1.0 μF (E-12)	250Vac 0.010~0.47 μF (E-12)
静電容量許容差 Cap. tolerance	125Vac : ±5% (J) ±10% (K), ±20% (M)	250Vac : ±10% (K), ±20% (M)
誘電正接 Tangent of loss angle	0.008 _{at 1kHz} (at 1kHz)	
耐電圧 Voltage proof	端子間 Between terminals	125Vac : 288V.ac 1min. 250Vac : 575V.ac 1min.
	端子外装間 Between terminals and case	125Vac : 1000V.ac 1min. 250Vac : 1500V.ac 1min.
絶縁抵抗 Insulation resistance	2.000MΩ _{at more} (at 500Vdc)	
高温負荷 Endurance	105°C WV×120% Vac 1000hr印加 ΔC/C ±7% _{at in} tan δ 0.01 _{at} T _{ess} IR 1,000MΩ _{at more}	
耐湿負荷 Damp heat	40°C 90~95%RH WV×√2 500hr印加 ΔC/C ±10% _{at in} tan δ 0.01 _{at} T _{ess} IR 1,000MΩ _{at more}	

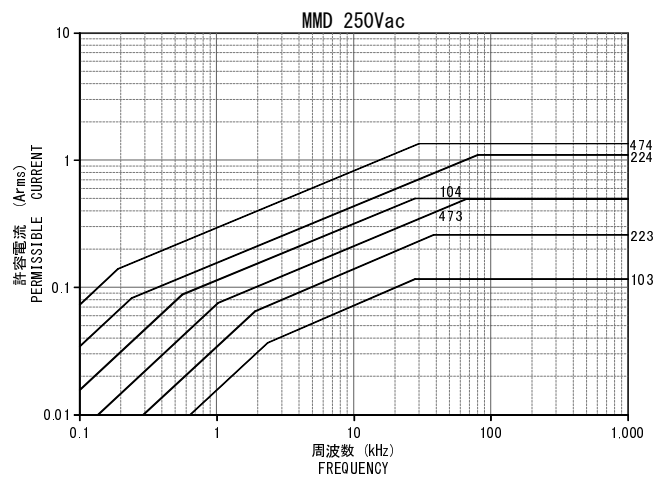
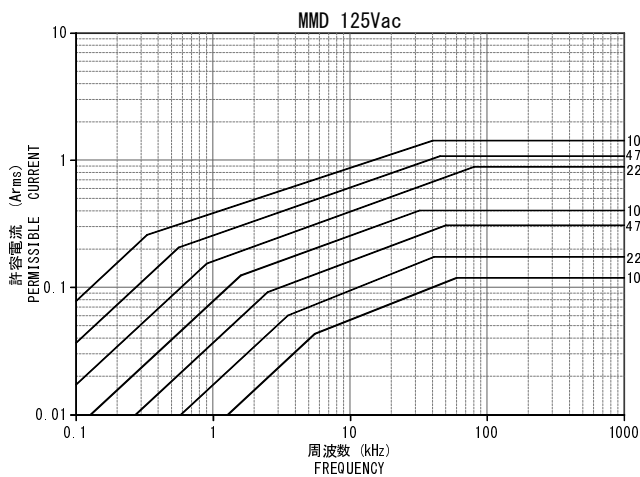
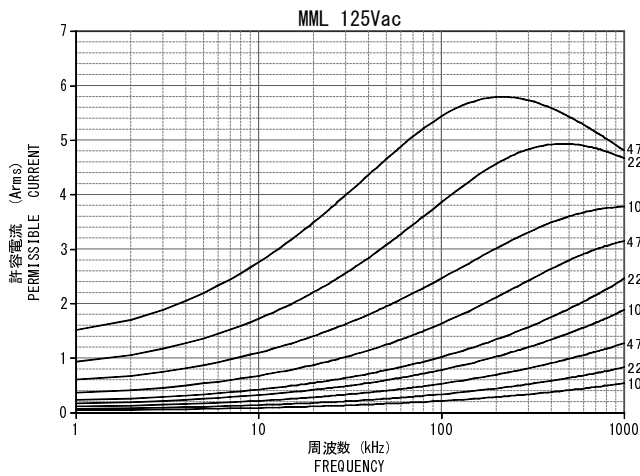
形状 Style	ストレートリード Straight lead type		フォーミング Forming lead type	
Cap範囲 Cap range	125Vac	103~105	103~224	823~105
	250Vac	103~474	103~473	103~474

寸法/Dimensions (mm)

Cap CODE	Cap (μF)	MMD 125Vac								MMD 250Vac													
		基準収納数 NUMBER OF PIECES FOR PACKING UNIT								基準収納数 NUMBER OF PIECES FOR PACKING UNIT													
		W	H	T	P	F	φd	テーピング Taping	ロング Long	フォーミング Formed	W	H	T	P	F	φd	テーピング Taping	ロング Long	フォーミング Formed				
103	0.010	11.0	8.2	5.0	7.5	5.0/7.5	0.6	1,000	200	2,000	200	4,000	13.0	10.0	5.5	10.0	5.0/7.5/10.0	0.6	1,000	100	1,500	100	1,500
123	0.012	11.0	8.2	5.0	7.5	5.0/7.5	0.6	1,000	200	2,000	200	4,000	13.0	10.5	6.0	10.0	5.0/7.5/10.0	0.6	1,000	100	1,500	100	1,500
153	0.015	11.0	8.2	5.0	7.5	5.0/7.5	0.6	1,000	200	2,000	200	4,000	13.0	10.5	6.0	10.0	5.0/7.5/10.0	0.6	1,000	100	1,500	100	1,500
183	0.018	11.0	8.2	5.0	7.5	5.0/7.5	0.6	1,000	200	2,000	200	4,000	13.0	10.5	6.0	10.0	5.0/7.5/10.0	0.6	1,000	100	1,500	100	1,500
223	0.022	11.0	8.2	5.0	7.5	5.0/7.5	0.6	1,000	200	2,000	200	4,000	13.0	10.8	6.0	10.0	5.0/7.5/10.0	0.6	1,000	100	1,500	100	1,500
273	0.027	11.0	8.2	5.0	7.5	5.0/7.5	0.6	1,000	200	2,000	200	4,000	13.0	10.8	6.0	10.0	5.0/7.5/10.0	0.6	1,000	100	1,500	100	1,500
333	0.033	11.0	8.2	5.0	7.5	5.0/7.5	0.6	1,000	200	2,000	200	4,000	13.0	11.3	6.3	10.0	5.0/7.5/10.0	0.6	500	100	1,000	100	1,000
393	0.039	11.0	8.2	5.0	7.5	5.0/7.5	0.6	1,000	200	2,000	200	4,000	13.0	12.8	6.3	10.0	5.0/7.5/10.0	0.6	500	100	1,000	100	1,000
473	0.047	11.0	8.2	5.5	7.5	5.0/7.5	0.6	1,000	200	2,000	200	4,000	13.0	14.5	6.3	10.0	5.0/7.5/10.0	0.6	500	100	1,000	100	1,000
563	0.056	11.0	8.7	6.0	7.5	5.0/7.5	0.6	1,000	200	2,000	200	3,000	18.5	10.8	6.0	15.0	5.0/7.5/10.0	0.6	500	100	1,000	100	1,000
683	0.068	11.0	9.2	6.0	7.5	5.0/7.5	0.6	1,000	200	2,000	200	3,000	18.5	11.3	6.3	15.0	5.0/7.5/10.0	0.6	400	100	1,000	100	1,000
823	0.082	14.0	9.2	5.5	10.0	5.0/7.5/10.0	0.6	1,000	100	1,500	200	2,000	18.5	11.5	6.5	15.0	5.0/7.5/10.0	0.6	400	100	1,000	100	1,000
104	0.10	14.0	10.5	5.5	10.0	5.0/7.5/10.0	0.6	1,000	100	1,500	200	2,000	18.5	13.3	6.5	15.0	5.0/7.5/10.0	0.6	400	50	500	50	500
124	0.12	14.0	11.0	6.0	10.0	5.0/7.5/10.0	0.6	1,000	100	1,500	200	2,000	18.5	13.8	7.0	15.0	5.0/7.5/10.0	0.8	400	50	500	50	500
154	0.15	14.0	11.5	6.0	10.0	5.0/7.5/10.0	0.6	1,000	100	1,500	200	2,000	18.5	14.5	7.8	15.0	5.0/7.5/10.0	0.8	300	50	500	50	500
184	0.18	14.0	12.0	6.5	10.0	5.0/7.5/10.0	0.6	1,000	100	1,500	100	1,500	18.5	15.3	8.5	15.0	5.0/7.5/10.0	0.8	300	50	500	50	500
224	0.22	14.0	12.5	7.3	10.0	5.0/7.5/10.0	0.6	1,000	100	1,000	100	1,500	18.5	16.0	9.5	15.0	5.0/7.5/10.0	0.8	300	50	500	50	500
274	0.27	19.0	11.5	6.0	15.0	5.0/7.5/10.0	0.6	500	100	1,000	100	1,500	26.0	17.0	7.0	22.5	15.0	0.8		50	250	50	250
334	0.33	19.0	13.0	6.0	15.0	5.0/7.5/10.0	0.6	500	100	1,000	100	1,000	26.0	16.5	8.0	22.5	15.0	0.8		50	250	50	250
394	0.39	19.0	13.5	6.5	15.0	5.0/7.5/10.0	0.6	400	100	1,000	100	1,000	26.0	17.3	8.8	22.5	15.0	0.8		50	250	50	250
474	0.47	19.0	14.0	7.0	15.0	5.0/7.5/10.0	0.6	400	50	500	50	500	26.0	18.0	9.5	22.5	15.0	0.8		50	250	50	250
564	0.56	19.0	16.0	7.0	15.0	5.0/7.5/10.0	0.6		50	500	50	500											
684	0.68	19.0	16.5	8.0	15.0	5.0/7.5/10.0	0.8		50	500	50	500											
824	0.82	25.5	16.0	7.0	22.5	15.0	0.8		50	250	50	300											
105	1.0	25.5	16.5	7.5	22.5	15.0	0.8		50	250	50	300											

形状 Style	フォーミング Forming lead type									
	Type	WV	F=5.0	F=7.5	F=10.0	F=22.5	F=5.0	F=7.5	F=10.0	F=15.0
Cap範囲 Cap range	MML	125Vac	103~224	103~684	274~684	335~475	274~275	824~275	824~275	335~475
	MMD	125Vac	103~683	103~224	823~224		823~684	274~684	274~684	824~105
		250Vac		103~473	103~473		103~224	563~224	563~224	224~474

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



使用上の注意 / Caution

使用上の注意) アクロス・ザ・ライン用として下記の条件でご使用下さい。

- 定格電圧125V品はコンデンサと並列にバリスタ電圧が250V以下のバリスタが入っていること、またはコンデンサの両端に250V以上のパルス電圧付加されないこと。
- 定格電圧250V品はコンデンサと並列にバリスタ電圧が470V以下のバリスタが入っていること、またはコンデンサの両端に630V以上のパルス電圧付加されないこと。

★When using these capacitors as an across-the-line capacitor, it shall be required to follow to either item1 or item2 condition.

- Capacitors shall be connected in parallel with varistor. (below 250V for 125Vac and 470V for 250Vac)
- Voltage applied for capacitor shall not exceed 250Vo-p for 125Vac and 630Vo-p for 250Vac.