

樹脂外装メタライズドポリエステルフィルムコンデンサ

Resin Coated Metalized Polyester Film Capacitors

MDL SERIES

小型、大容量

- 誘電体にメタライズドポリエステルフィルムを用いた、無誘導巻き構造
- 難燃性エポキシ樹脂外装 (UL94V-0)
- 高周波スイッチング電源の出力平滑用等、高周波リップル電流回路用にご使用下さい。

Miniature and Large Capacitance

- MDL series has non-inductive construction of metalized polyester film.
- Flame retardant epoxy resin (UL94V-0) coating type
- For high-frequency ripple current circuit such as smoothing output of high-frequency switching supply.

性能 Performance

項目 Item	性能 Performance
使用温度範囲 Temperature range	-40~+85°C (+105°C) +85°Cを超える時は電圧軽減必要 Derate the operating voltage if operating temperature is higher than +85°C.
定格電圧範囲 Rated Voltage (U _R)	35V _{DC} (1V), 63V _{DC} (1J)
静電容量範囲 Capacitance range	4.7 ~ 22 μF
静電容量許容差 Capacitance tolerance	±10%(K)
耐電圧 Withstanding voltage	端子相互間: U _R × 1.5(V _{DC}) for 1min Between terminals : 端子外装間: U _R × 2(V _{DC}) for 1~5sec Between terminals and enclosure :
絶縁抵抗 Insulation resistance (IR)	≥ 3000 Ω·F (35V: 25V _{DC} for 1min / 63V: 50V _{DC} for 1min)
誘電正接 tan δ	≤ 0.01 (1kHz), ≤ 0.016 (10kHz)

表示例 Marking example

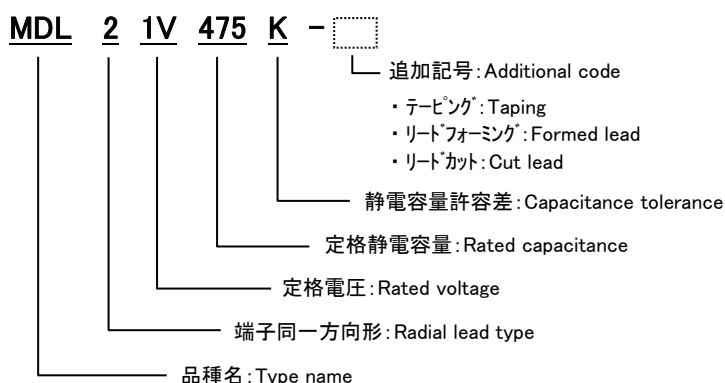
10-35V

N □

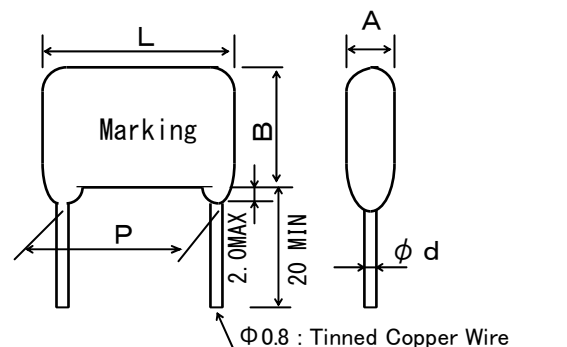
□ : 管理記号

Control code

形名の構成例 Type designation



外形図 Component outline

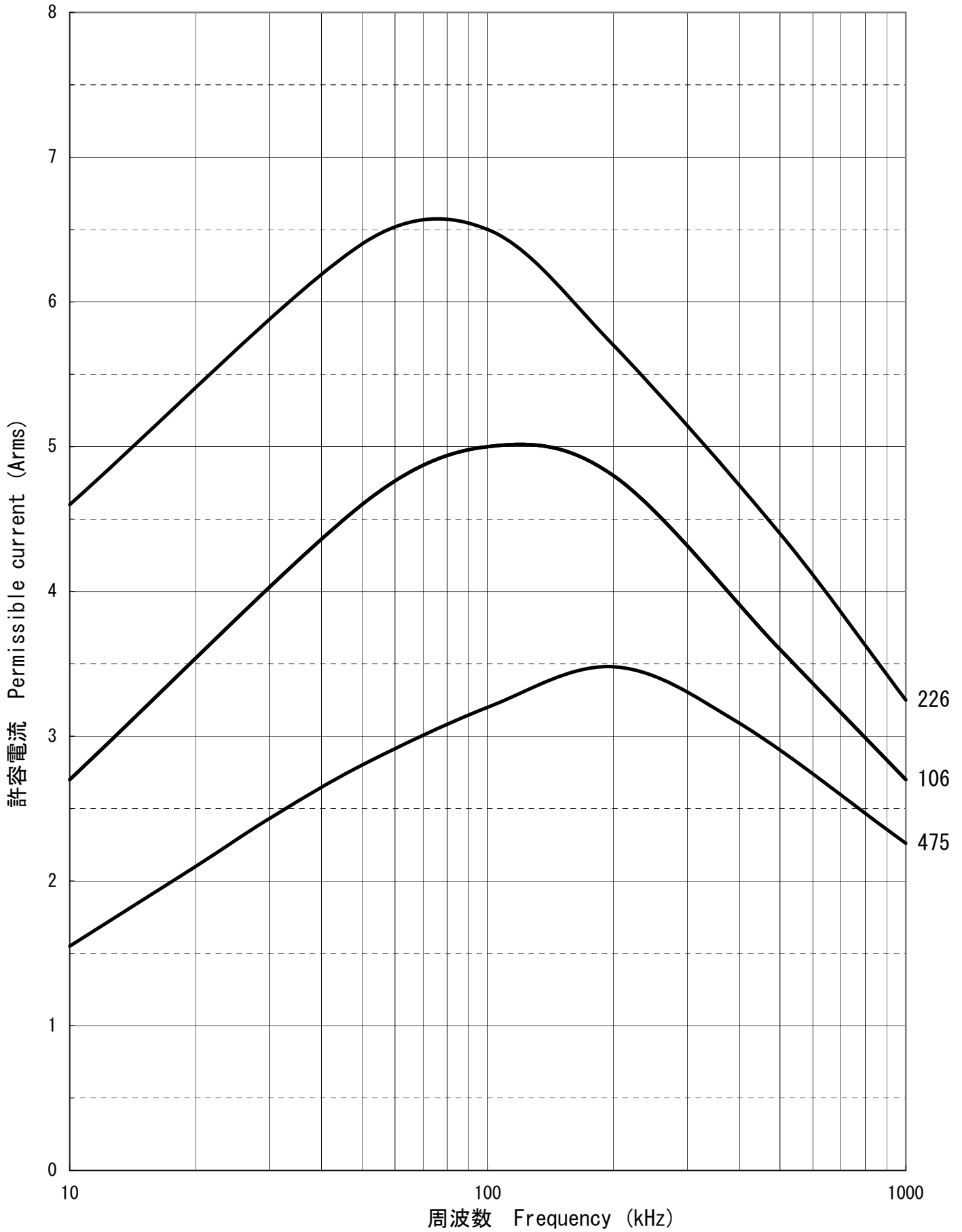


定格寸法表 (MDL) Standard dimensions (mm)

art cord	Rated voltage	Capacitance (μF)	Tolerance (%)	A max	B max	L max	P ±1.0	φd	Permissible current	Taping PCS/Package
									I _{op} (A)	
MDL21V475K	35	4.7	±10	9.0	16.5	16.0	12.5	0.8	21.8	400
MDL21V106K		10		10.5	20.0	16.0	12.5	0.8	46.3	
MDL21V226K		22		11.5	21.0	23.5	20.0	0.8	55.1	
MDL21J106K	63	10		10.5	20.0	23.5	20.0	0.8	33.4	No Taping
MDL21J226K		22		12.5	24.0	28.0	25.0	0.8	57.0	

* 寸法の異なるものも製作致しますので、ご相談下さい。 Please contact us if you need other dimensions of this series.

周波数別許容実効電流値
Permissible current vs. Frequency
MDL 35VDC



周波数別許容実効電流値
Permissible current vs. Frequency
MDL 63VDC

