

樹脂外装メタライズドポリプロピレンフィルムコンデンサ

Resin Coated Metalized Polypropylene Film Capacitors

FPD5 SERIES

高周波用小型化品

- 基板上の面積が小さく、機器小型化設計に適しています。
- 誘電体にメタライズドポリプロピレンフィルムを用いた、無誘導巻き構造
- 使用温度 105°Cまで電圧軽減なし
- 難燃性エポキシ樹脂外装 (UL 94V-0)

Miniature type for high-frequency

- FPD5 series is well-suited for Miniaturization of equipment.
- This series has non-inductive construction of metalized polypropylene film.
- It is not necessary to reduce the working voltage up to +105°C.
- Flame retardant epoxy resin (UL94V-0) coating type

性能 Performance

項目 Item	性能 Performance
使用温度範囲 Temperature range	-40~+105°C
定格電圧範囲 Rated Voltage (U_R)	450V _{DC}
静電容量範囲 Capacitance range	0.47 ~ 1.0 μ F
静電容量許容差 Capacitance tolerance	$\pm 10\%$ (K), ($\pm 5\%$ (J))
耐電圧 Withstanding voltage	端子相互間: $U_R \times 1.5(V_{DC})$ for 1min Between terminals : 端子外装間: $U_R \times 2(V_{DC})$ for 1~5sec Between terminals and enclosure :
絶縁抵抗 Insulation resistance (IR)	10000 $\Omega \cdot F$
誘電正接 tan δ	≤ 0.001 (1kHz)

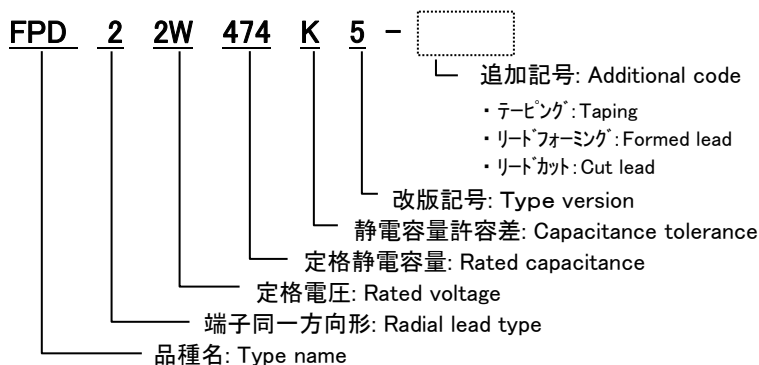
表示例 Marking example

FPD2W105

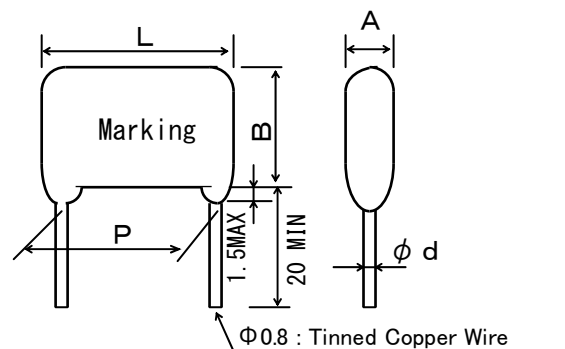
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 : 管理記号
Control code

形名の構成例 Type designation



外形図 Component outline



定格寸法表 (FPD5) Standard dimensions (mm)

Part cord	Rated voltage (V_{DC})	Capacitance (μ F)	Tolerance (%)	A max	B max	L max	P ± 0.75	ϕd	Permissible current Iop (A)	Taping Pieces/Package
FPD22W474K5	450	0.47	± 10	8.0	15.5	18.0	15.0	0.8	12.8	400
FPD22W684K5		0.68		9.0	17.5	18.0	15.0	0.8	18.6	300
FPD22W105K5		1.0		11.0	20.0	18.0	15.0	0.8	27.3	No taping

周波数別許容実効電流値
Permissible current vs. Frequency
FPD5 450V

