

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 Metallized 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。
- ➡ 使用温度 105℃まで電圧軽減なし
- ➡ 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
- ➡ 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.
- ➡ It is not necessary to reduce the working voltage up to +105℃.
- ➡ This series has non-inductive construction of metallized polypropylene film.
- ➡ 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℃
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	±10%(K), (±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)

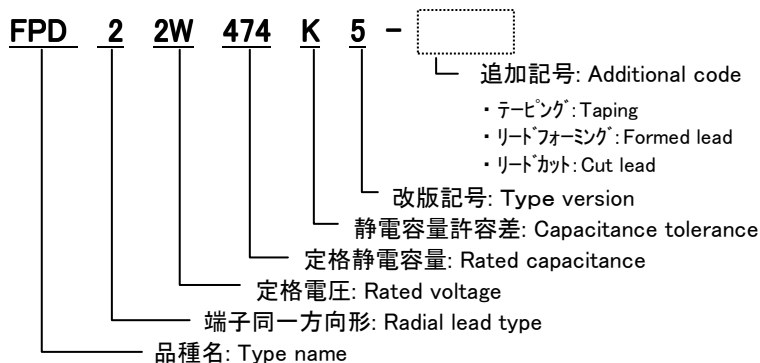
表示例 Marking example

FPD2W105

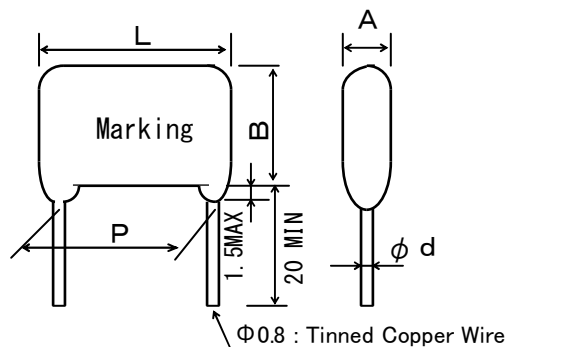
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 : 管理記号
Control code

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 (VDC)	Capacitance (μ F)	Tolerance (%)	Dimensions (mm)					Permissible current I _{op} (A)	Taping PCS/Package
				A max	B max	L max	P ± 0.75	ϕ d		
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
FPD22W155K5P22.5		1.5		11.0	19.5	25.5	22.5	0.8	25.4	
FPD22W225K5P22.5		2.2		12.0	24.5	25.5	22.5	0.8	37.2	