

樹脂外装メタライズドフィルムコンデンサ

Resin Coated Metallized Film Capacitors

FPA SERIES

450VDC, 小型化品

- 電源 PFC 回路用に適しています
- 高温保証 +110°C, 380VDC
- 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、無誘導巻構造
- 難燃性エポキシ樹脂外装 (UL 94V-0)
- ハロゲンフリー対応製品

450VDC, Miniature

- FPA series is well-suited for PFC circuit in power
- High temperature proof +110°C, 380VDC
- This series has non-inductive construction of metallized Polypropylene film.
- Flame retardant epoxy resin (UL94V-0) coating type
- Halogen free product

性能 Performance

項目 Item	性能 Performance
使用温度範囲 Temperature range	-40~+110°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)	450 V _{DC} (550V _{DC})
静電容量範囲 Capacitance range	0.47 ~ 2.2 μ F
静電容量許容差 Capacitance tolerance	±10% (K)
耐電圧 Withstanding voltage	端子相互間: 450 × 1.6(V _{DC}) for 1min Between terminals : 端子外装間: 450 × 2(V _{DC}) for 1~5sec Between terminals and enclosure :
絶縁抵抗 Insulation resistance (IR)	≥ 7500 $\Omega \cdot F$ (100 V _{DC} for 1min) 測定電圧 Measurement voltage Rated voltage 450VDC : 100 V _{DC} for 1min (Rated voltage 550VDC : 500 V _{DC} for 1min)
誘電正接 tan δ	≤ 0.001 (1kHz)

表示例 Marking example

FPA2W105

 管理記号
Control code

形名の構成例 Type designation

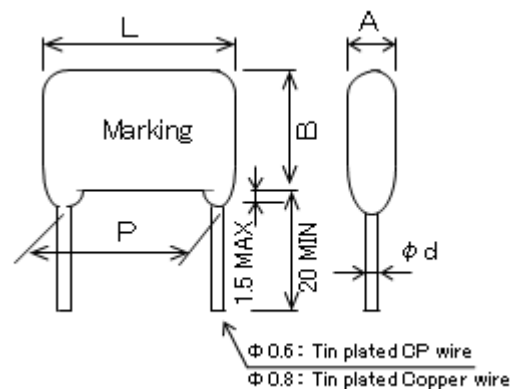
FPA 2 2W 105 K R - 

追加記号: Additional code

- ・テーピング: Taping
- ・リードフォーミング: Formed lead
- ・リードカット: Cut lead

ハロゲンフリー: Halogen free
 静電容量許容差: Capacitance tolerance
 定格静電容量: Rated capacitance
 定格電圧: Rated voltage
 端子同一方向形: Radial lead type
 品種名: Type name

外形図 Component outline



定格寸法表 (FPA) Standard dimensions

Part cord	Rated voltage (V _{DC})	Capacitance (μ F)	Tolerance (%)	Dimensions (mm)					Permissible current Iop (A)	Taping PCS/Package
				A max	B max	L max	P ±0.75	φ d		
FPA22W474KR	450	0.47	±10	6.0	14.5	12.5	10.0	0.6	8.8	500
FPA22W684KB14.5R		0.68		8.3	14.5	12.5	10.0	0.6	12.7	300
FPA22W684KR		0.68		7.1	16.4	12.5	10.0	0.6	12.7	400
FPA22W105KR		1.0		9.1	17.5	12.5	10.0	0.6	18.7	—
FPA22W105KP15R		1.0		7.5	14.5	18.0	15.0	0.8	10.5	400
FPA22W155KR		1.5		8.0	17.5	18.0	15.0	0.8	15.7	—
FPA22W225KR		2.2		11.5	17.5	18.0	15.0	0.8	23.0	—

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✦ 定格寸法表 (FPA 550V) Standard dimensions

定格電圧 550VDC もございます。詳細につきましては、お問合せください。
It is also available Rated voltage 550VDC. Please contact us for further details.

Part cord	Rated voltage (V _{DC})	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		
FPA22L474KR	550	0.47	±10	6.0	14.5	12.5	10.0	0.6	8.8	500
FPA22L684KR		0.68		7.1	16.4	12.5	10.0	0.6	12.7	400
FPA22L105KR		1.0		9.1	17.5	12.5	10.0	0.6	18.7	—
FPA22L105KP15R		1.0		7.5	14.5	18.0	15.0	0.8	10.5	400
FPA22L155KR		1.5		8.0	17.5	18.0	15.0	0.8	15.7	—
FPA22L225KR		2.2		11.5	17.5	18.0	15.0	0.8	23.0	—

✦ 最大使用電圧と使用温度の関係 The relationship between max operating voltage and temperature.

