樹脂外装メタライズドフィルムコンデンサ

Resin Coated Metallized Film Capacitors

FPS3 SERIES

電源 PFC 回路用、低振動音品

- 基板上の面積が小さく、機器小型化設計に適しています。
- 低振動音
- 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

Miniature type for PFC , Low Vibratory sound

- FPS series is well-suited for Miniaturization of equipment.
- Low Vibratory sound
- 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℃ (+85℃を超える時は電圧軽減必要) Derate the operating voltage if operating temperature is higher than +85℃.
定格電圧範囲 Rated Voltage (U_R)	450 V_{DC}
静電容量範囲 Capacitance range	0.47 ～2.2 μF
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 Ω･F (100 V_{DC} for 1min)
誘電正接 tan δ	≦0.001 (1kHz)

表示例 Marking example

FPS2W105

N

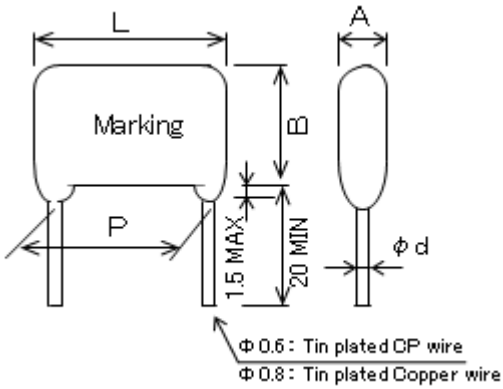
管理記号
Control code

形名の構成例 Type designation

FPS 2 2W 105 K 3 R

- R : ハロゲンフリー
- 3 : 改版記号
- K : 静電容量許容差 : Capacitance tolerance
- 105 : 定格静電容量 : Rated capacitance
- 2W : 定格電圧 : Rated voltage
- 2 : 端子同一方向形 : Radial lead type
- FPS : 品種名 : Type name

外形図 Component outline



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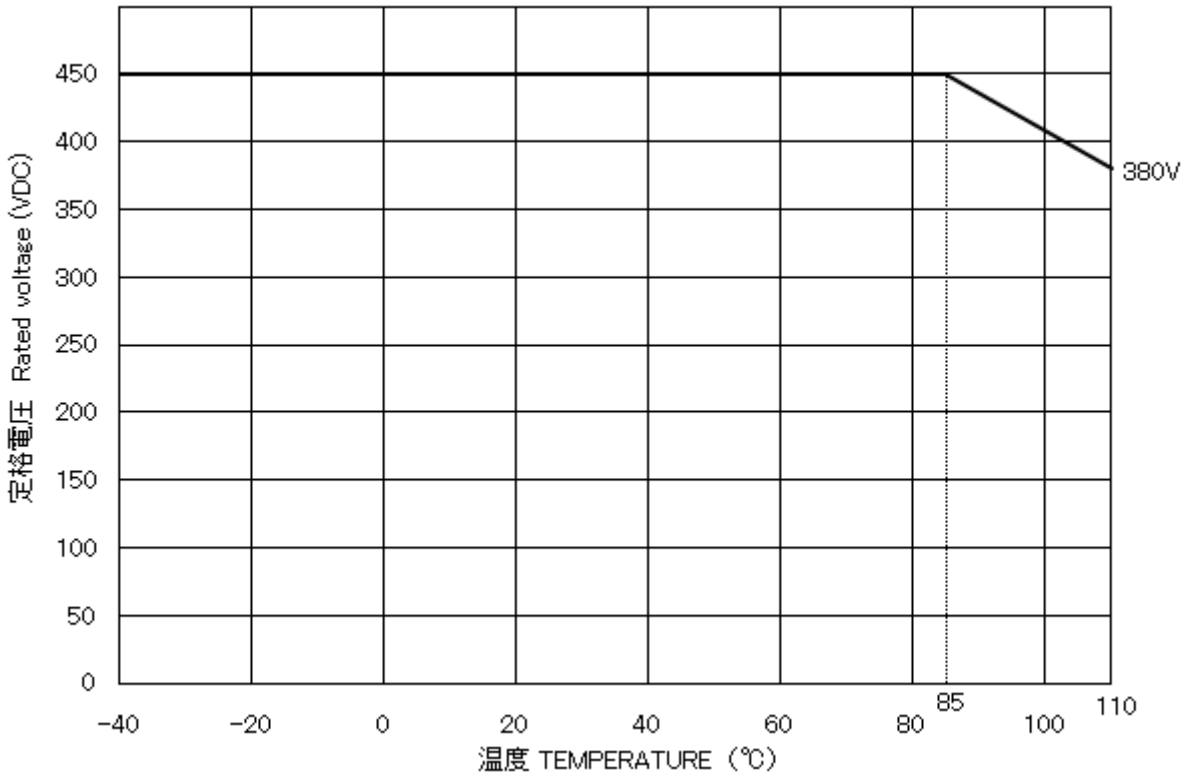
定格寸法表 (FPS3) Standard dimensions

Part cord	Rated voltage (V_{DC})	Capacitance (μF)	Tolerance (%)	Dimensions (mm)					Permissible current Iop (A)	Taping PCS/Package
				A ma	B max	L max	P ± 0.75	φd		
FPS22W474K3R	450	0.47	±10	5.5	14.0	12.5	10.0	0.6	13.7	500
FPS22W684K3P10R		0.68		6.5	15.8	12.5	10.0	0.6	19.8	500
FPS22W684K3R		0.68		5.8	12.0	18.0	15.0	0.8	11.1	500
FPS22W105K3P10R		1.0		8.0	17.4	12.5	10.0	0.6	29.2	No taping
FPS22W105K3R		1.0		7.0	13.0	18.0	15.0	0.8	16.4	400
FPS22W155K3P10R		1.5		11.0	19.8	12.5	10.0	0.6	29.2	No taping
FPS22W155K3R		1.5		9.0	15.4	18.0	15.0	0.8	24.6	300
FPS22W225K3R		2.2		10.8	17.2	18.0	15.0	0.8	36.0	No taping

最大使用電圧と温度 Maximum operating voltage at operating temperature



周波数別許容実効電流値

Permissible current(Effective value) VS Frequency

FPS3