

樹脂外装メタライズドフィルムコンデンサ

FPS4 SERIES

電源 PFC 回路用、小型・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

Miniature type for PFC , Low Vibratory sound

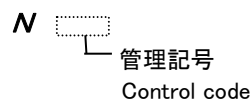
- FPS series is well-suited for Miniaturization of equipment.
- Low Vibratory sound
- This series has non-inductive construction of metalized Polypropylene film.

性能 Performance

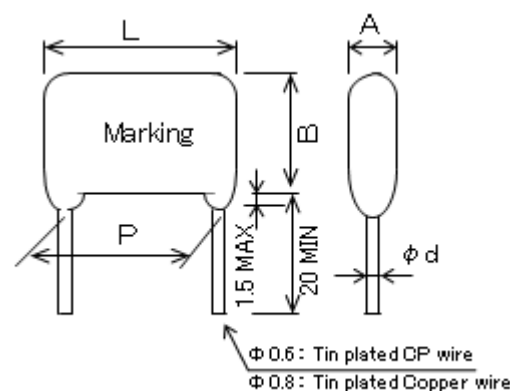
項目 Item	性能 Performance
使用温度範囲 Temperature range	-40~+85°C (+110°C) +85°Cを超える時は電圧軽減必要 Derate the operating voltage if operating temperature is higher than +85°C.
定格電圧範囲 Rated Voltage (U _R)	450 V _{DC}
静電容量範囲 Capacitance range	0.47 ~ 2.2 μF
静電容量許容差 Capacitance tolerance	±10% (K)
耐電圧 Withstanding voltage	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)
高温負荷 Endurance	85°C, 450 × 1.11 (V _{DC}), 1000H 110°C, 380 × 1.11 (V _{DC}), 1000H
耐湿負荷 Damp heat loading	40°C, 90~95%, 450 V _{DC} , 500H

表示例 Marking example

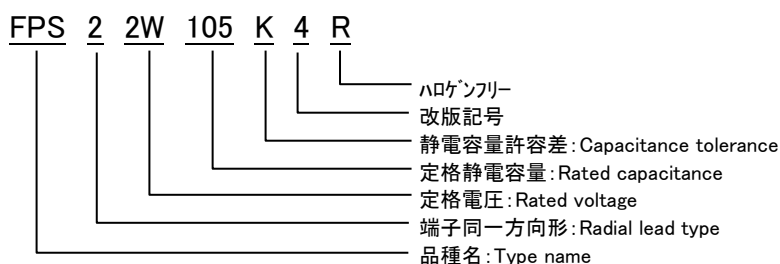
FPS2W105



外形図 Component outline



形名の構成例 Type designation

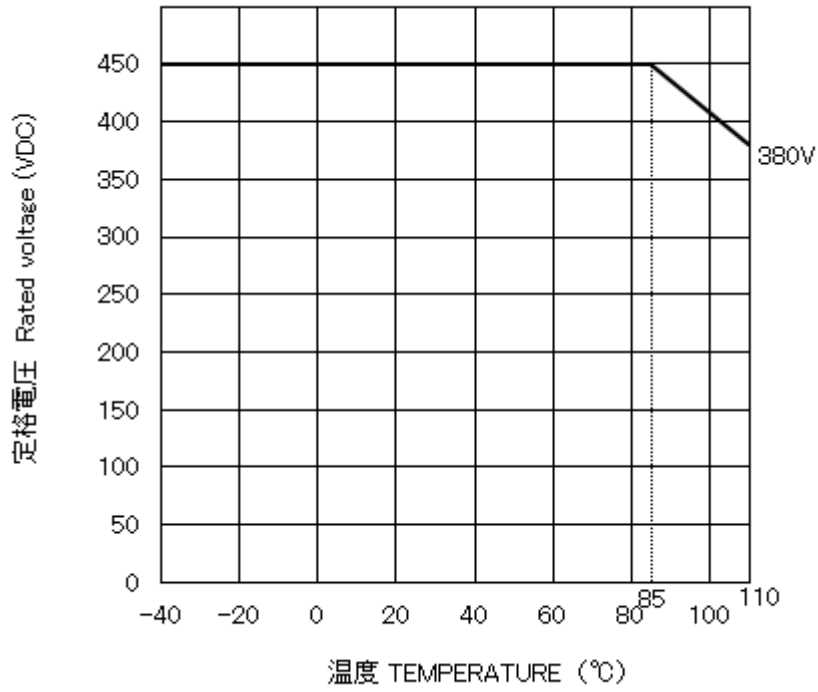


定格寸法表 (FPS4) Standard dimensions (mm)

Part cord	Rated voltage (V _{DC})	Capacitance (μF)	Tolerance (%)	A ma	B max	L max	P ±0.75	φd	Permissible current I _{op} (A)	Taping PCS/Package
FPS22W474K4R	450	0.47	±10	4.6	11.7	12.5	10.0	0.6	13.7	600
FPS22W684K4R		0.68		5.3	13.2	12.5	10.0	0.6	19.8	600
FPS22W105K4R		1.0		6.2	14.8	12.5	10.0	0.6	29.2	500
FPS22W155K4R		1.5		7.8	17.5	12.5	10.0	0.8	33.5	No
FPS22W225K4R		2.2		10.2	18.4	12.5	10.0	0.8	49.2	taping

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★ 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

FPS4

