

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

FPD4 SERIES

高周波用 標準品

- ➡ 高周波用標準品
- ➡ 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、無誘導巻構造
- ➡ 難燃性エポキシ樹脂外装 (UL 94V-0)

For high-frequency

- ➡ For high frequency
- ➡ 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)	250V _{DC} (2E), 450V _{DC} (2W), 630V _{DC} (2J)
静電容量範囲 Capacitance range	0.01 ~ 10 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)	$C \leq 0.33 \mu F : \geq 30000 M\Omega$ $C > 0.33 \mu F : \geq 10000 \Omega \cdot F$ 250, 450 V _{DC} : 100 V _{DC} for 1min 630 V _{DC} : 500 V _{DC} for 1min
誘電正接 tan δ	≤ 0.001 (1kHz)

✧ 表示例 Marking example

$P \leq 17.5$

FPD2J103

N

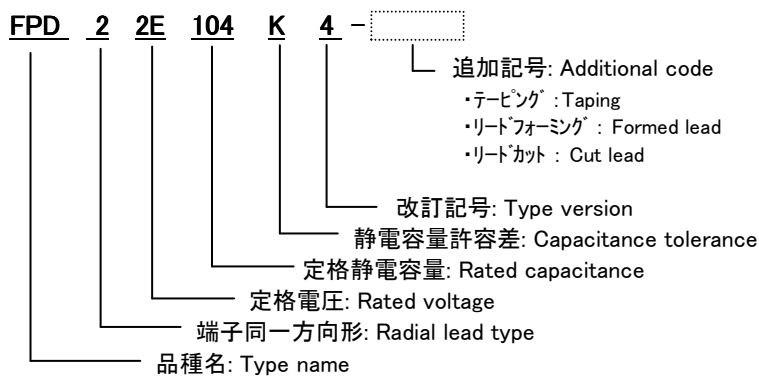
$P \geq 22.5$

FPD2W105

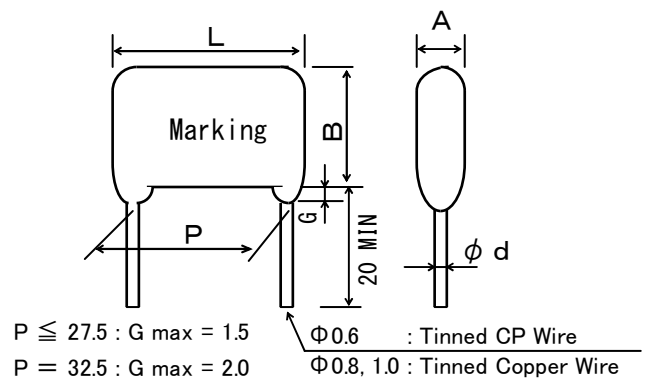
Nitsuko

 : 管理記号
Control code

✧ 形名の構成例 Type designation



✧ 外形図 Component outline



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★ 定格寸法表 (FPD4) Standard dimensions

Part cord	Rated voltage (V _{DC})	Capacitance (μF)	Tolerance (%)	Dimensions (mm)					Permissible current I _{op} (A)	Taping PCS/Package
				A max	B max	L max	P ±0.75	φd		
FPD22E103K4	250	0.01	±10	4.5	9.5	13.0	10.0	0.6	1.6	1500
FPD22E153K4		0.015		4.9	9.8	13.0	10.0	0.6	2.0	1500
FPD22E223K4		0.022		4.7	9.6	13.0	10.0	0.6	2.5	1500
FPD22E333K4		0.033		4.1	9.0	13.0	10.0	0.6	2.9	1750
FPD22E473K4		0.047		4.7	9.6	13.0	10.0	0.6	4.0	1500
FPD22E683K4		0.068		4.7	9.6	13.0	10.0	0.6	4.8	1500
FPD22E104K4		0.1		5.5	10.4	13.0	10.0	0.6	7.0	1250
FPD22E154K4		0.15		6.0	14.0	13.0	10.0	0.6	7.9	1000
FPD22E224K4		0.22		6.0	12.0	15.5	12.5	0.8	6.5	500
FPD22E334K4		0.33		7.0	13.0	15.5	12.5	0.8	9.8	500
FPD22E474K4		0.47		6.5	12.5	20.5	17.5	0.8	8.7	No Taping
FPD22E684K4		0.68		7.5	14.0	20.5	17.5	0.8	12.6	
FPD22E105K4		1.0		9.0	15.5	20.5	17.5	0.8	18.6	
FPD22E155K4		1.5		11.0	17.5	20.5	17.5	0.8	27.9	
FPD22E225K4		2.2		10.5	19.5	25.5	22.5	0.8	29.7	
FPD22E335K4		3.3		12.0	24.0	25.5	22.5	0.8	44.6	
FPD22E475K4		4.7		12.5	25.0	31.0	27.5	0.8	50.0	
FPD22E685K4		6.8		16.0	28.0	31.0	27.5	0.8	72.3	
FPD22E106K4		10		18.0	30.0	37.0	32.5	1.0	90.8	
FPD22W103K4	450	0.01	±10	4.5	9.5	13.0	10.0	0.6	1.6	1500
FPD22W153K4		0.015		4.9	9.8	13.0	10.0	0.6	2.0	1500
FPD22W223K4		0.022		4.7	9.6	13.0	10.0	0.6	2.5	1500
FPD22W333K4		0.033		4.1	9.0	13.0	10.0	0.6	2.9	1750
FPD22W473K4		0.047		4.7	9.6	13.0	10.0	0.6	4.0	1500
FPD22W683K4		0.068		5.8	11.0	13.0	10.0	0.6	4.3	1250
FPD22W104K4		0.1		6.0	11.5	15.5	12.5	0.8	4.4	500
FPD22W154K4		0.15		7.0	12.5	15.5	12.5	0.8	6.7	500
FPD22W224K4		0.22		8.0	14.5	15.5	12.5	0.8	9.8	400
FPD22W334K4		0.33		8.8	18.0	15.5	12.5	0.8	14.7	No Taping
FPD22W474K4		0.47		9.5	16.0	20.5	17.5	0.8	13.1	
FPD22W684K4		0.68		11.0	17.5	20.5	17.5	0.8	18.9	
FPD22W105K4		1.0		11.0	19.0	25.5	22.5	0.8	20.3	
FPD22W155K4		1.5		12.0	24.0	25.5	22.5	0.8	30.4	
FPD22W225K4		2.2		16.5	25.0	25.5	22.5	0.8	44.6	
FPD22W335K4		3.3		15.0	27.5	37.0	32.5	1.0	44.9	
FPD22J103K4	630	0.01	±10	4.5	9.5	13.0	10.0	0.6	1.6	1500
FPD22J153K4		0.015		4.9	9.8	13.0	10.0	0.6	2.0	1500
FPD22J223K4		0.022		5.8	11.5	13.0	10.0	0.6	2.8	1250
FPD22J333K4		0.033		5.5	10.5	15.5	12.5	0.8	2.5	600
FPD22J473K4		0.047		6.5	12.0	15.5	12.5	0.8	3.6	500
FPD22J683K4		0.068		7.5	13.0	15.5	12.5	0.8	5.1	400
FPD22J104K4		0.1		8.0	16.5	15.5	12.5	0.8	7.6	400
FPD22J154K4		0.15		10.5	17.5	15.5	12.5	0.8	11.3	No Taping
FPD22J224K4		0.22		10.0	17.0	20.5	17.5	0.8	9.9	
FPD22J334K4		0.33		9.5	18.5	25.5	22.5	0.8	10.6	
FPD22J474K4		0.47		11.0	20.0	25.5	22.5	0.8	15.1	
FPD22J684K4		0.68		13.0	24.0	25.5	22.5	0.8	21.9	
FPD22J105K4		1.0		14.0	25.5	31.0	27.5	0.8	25.0	
FPD22J155K4		1.5		16.0	28.0	37.0	32.5	1.0	31.8	
FPD22J225K4		2.2		19.0	31.0	37.0	32.5	1.0	46.7	

▶ * 静電容量許容差J (±5%)品も製作いたします。 Capacitance tolerance J (±5%) is also available

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