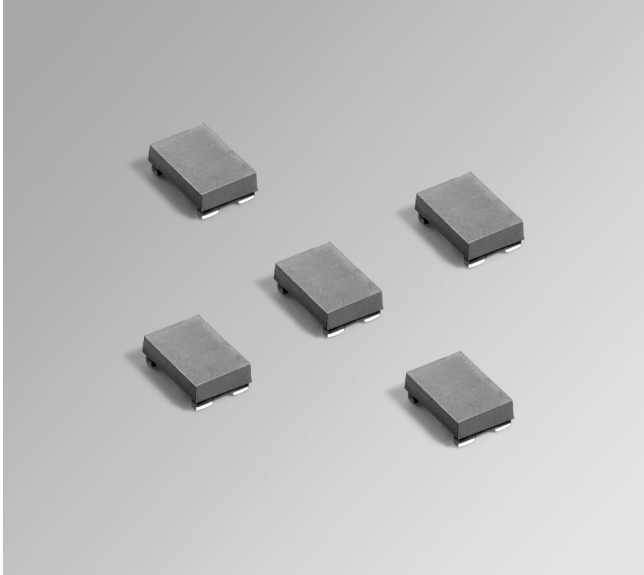


**NEW!**

# Wideband Transformers – PFD3215



- Typical applications are as impedance or isolation transformer
- Can be used for balanced to unbalanced (balun) conversion
- 1/4 Watt input RF power rating
- Low DCR values

**Core material** Ferrite**Environmental** RoHS compliant, halogen free**Weight** 18 – 28 mg**Terminations** RoHS compliant silver-palladium-platinum-glass frit.**Ambient temperature** –40°C to +85°C**Storage temperature** Component: –40°C to +125°C.

Tape and reel packaging: –40°C to +80°C

**Winding to winding isolation** 250 Vrms, one minute**Resistance to soldering heat** Max three 40 second reflows at +260°C, parts cooled to room temperature between cycles**Moisture Sensitivity Level (MSL)** 1 (unlimited floor life at <30°C / 85% relative humidity)**Failures in Time (FIT) / Mean Time Between Failures (MTBF)**

38 per billion hours / 26,315,789 hours, calculated per Telcordia SR-332

**Packaging** 2000/7" reel; 7500/13" reel Plastic tape: 8 mm wide, 0.20 mm thick, 4 mm pocket spacing, 1.21 mm pocket depth**PCB washing** Tested with pure water or alcohol only. For other solvents, see Doc787\_PCB\_Washing.pdf

Part number <sup>1</sup>	Bandwidth (MHz)	Insertion loss max (dB)	L min <sup>2</sup> (µH)	DCR max <sup>2</sup> (Ohms)
PFD3215-391ME_	12.6 – 645	0.6	0.31	0.070
PFD3215-102ME_	4.0 – 500	0.4	0.80	0.123
PFD3215-182ME_	2.2 – 300	0.5	1.4	0.250
PFD3215-222ME_	2.0 – 370	0.4	1.7	0.265
PFD3215-332ME_	1.2 – 310	0.6	2.6	0.335
PFD3215-472ME_	0.9 – 250	0.5	3.7	0.442
PFD3215-682ME_	0.8 – 150	0.5	5.4	0.600
PFD3215-103ME_	0.4 – 150	0.5	8.0	1.25

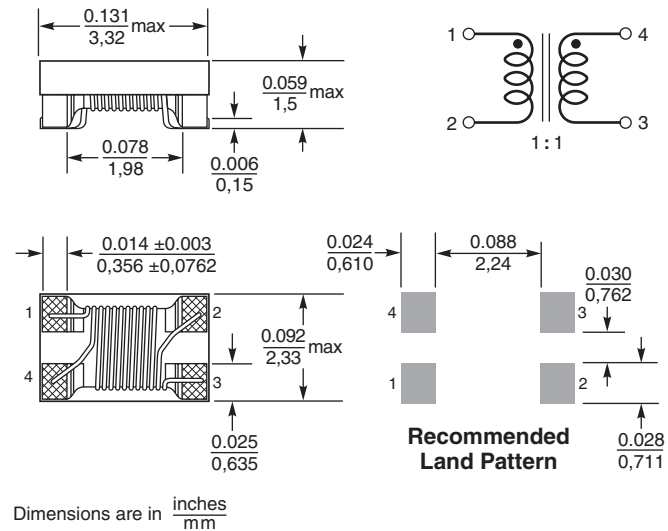
1. When ordering, please specify **packaging** code:**PFD3215-103MEC****Packaging:** **C** = 7" machine-ready reel. EIA-481 embossed plastic tape (2000 parts per full reel).**B** = Less than full reel. In tape, but not machine ready. To have a leader and trailer added (\$25 charge), use code letter C instead.**D** = 13" machine-ready reel. EIA-481 embossed plastic tape. Factory order only, not stocked (7500 parts per full reel).

2. Inductance is for each winding, measured at 100 kHz, 0.1 Vrms, 0 Adc on an Agilent/HP 4284A LCR meter or equivalent.

3. DCR is for each winding.

4. Electrical specifications at 25°C.

Refer to Doc 362 "Soldering Surface Mount Components" before soldering.



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**NEW!**

# PFD3215 Wideband Transformers

## Typical Wideband Response Curves

