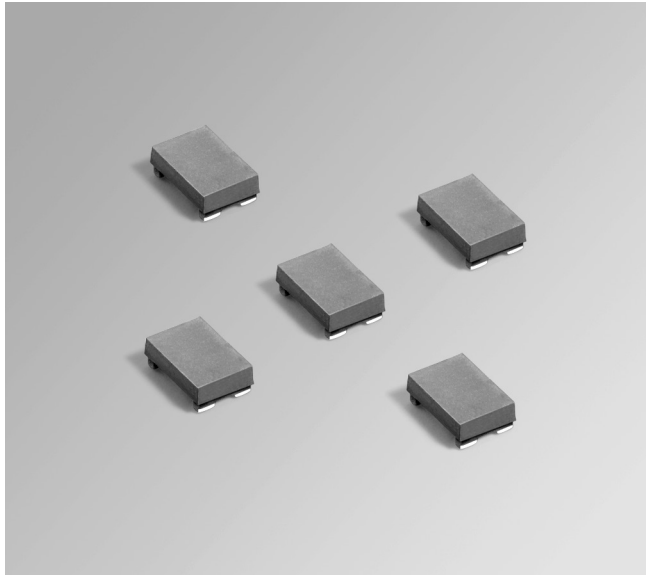


Wideband Transformers – PFD3215



- 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)

Packaging 2000/7" reel; 7500/13" reel Plastic tape: 12 mm wide, 0.23 mm thick, 4 mm pocket spacing, 1.65 mm pocket depth

PCB washing Tested to MIL-STD-202 Method 215 plus an additional aqueous wash. See [Doc787_PCBt_Washing.pdf](#).

Part number ¹	Bandwidth (MHz)	Insertion loss max (dB)	L min ² (µH)	DCR max ² (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	0.360
PFD3215-472ME_	0.9 – 250	0.5	3.7	0.450
PFD3215-682ME_	0.8 – 150	0.5	5.4	0.630
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). Quantities less than full reel available: in tape (not machine ready) or with leader and trailer (\$25 charge).

B = Less than full reel. In an effort to simplify our part numbering system, Coilcraft is eliminating the need for multiple packaging codes. When ordering, simply change the last letter of your part number from B to C.

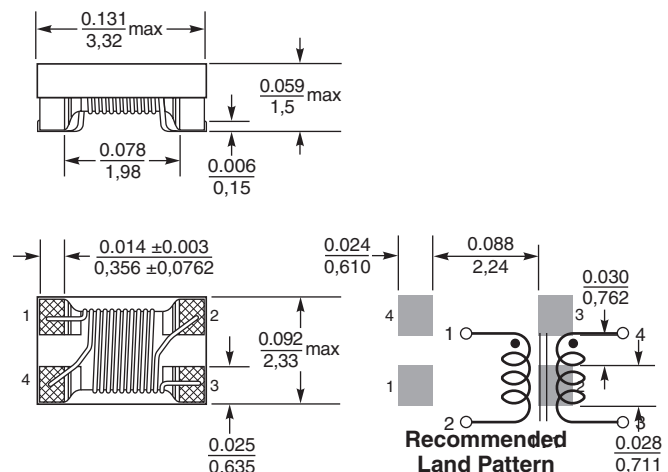
D = 13" machine-ready reel. EIA-481 embossed plastic tape. Factory order only, not stocked (7500 parts per full reel).

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.



Dimensions are in $\frac{\text{inches}}{\text{mm}}$



PFD3215 Wideband Transformers

Typical Wideband Response Curves

