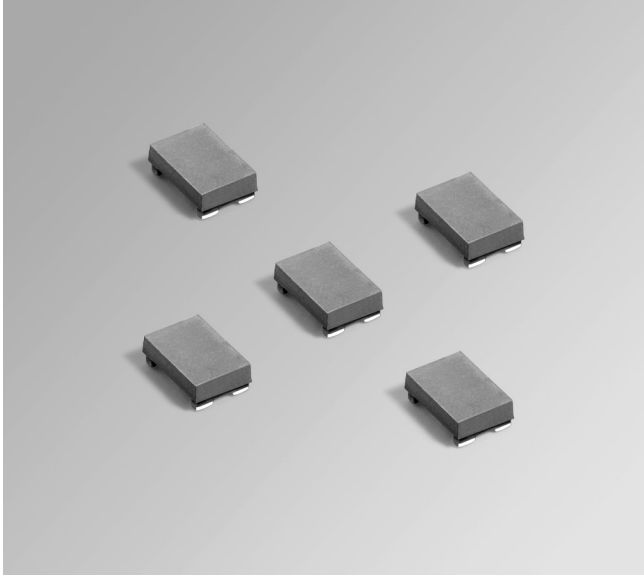


NEW!

Common Mode Chokes – PFD3215



- Miniature surface mount component, only 3.2 × 2.3 mm footprint and 1.5 mm tall
- Eliminates virtually all common mode noise
- Designed for high-speed applications
- Eight impedance values to meet your specific requirements
- 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

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 ¹	Inductance ² min (μH)	DCR max ³ (Ohms)	Isolation ⁴ (Vrms)	I _{rms} ⁵ (A)
PFD3215-391ME_	0.31	0.070	250	0.98
PFD3215-102ME_	0.8	0.123	250	0.85
PFD3215-182ME_	1.4	0.250	250	0.60
PFD3215-222ME_	1.7	0.265	250	0.57
PFD3215-332ME_	2.6	0.360	250	0.55
PFD3215-472ME_	3.7	0.450	250	0.51
PFD3215-682ME_	5.4	0.630	250	0.40
PFD3215-103ME_	8.0	1.25	250	0.27

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 measured at 100 kHz, 0.1 Vrms, 0 Adc on an Agilent/HP 4284A LCR meter or equivalent.

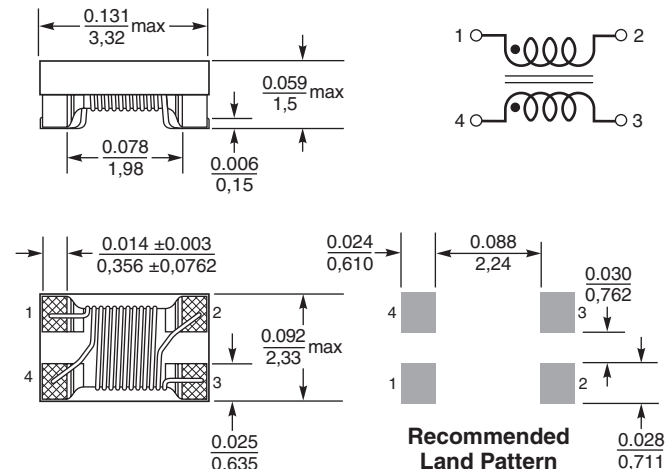
3. DCR is for each winding.

4. Winding-to-winding isolation for one minute

5. Current that causes a 40°C temperature rise from 25°C ambient.

6. Electrical specifications at 25°C.

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

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

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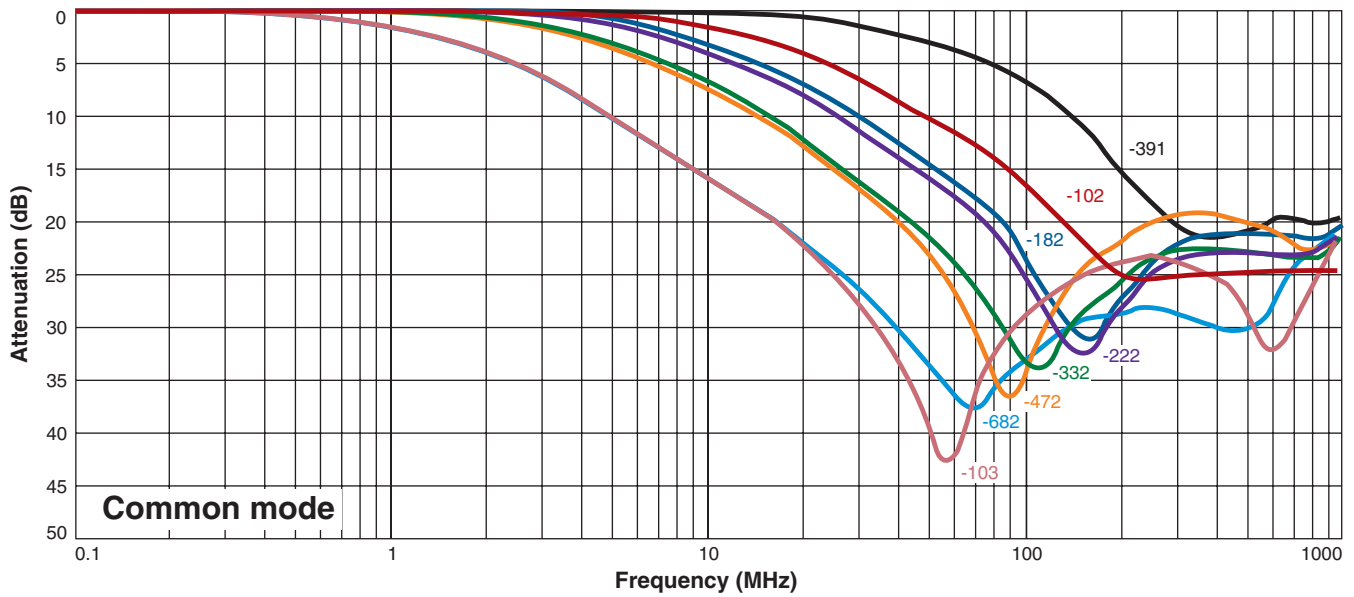
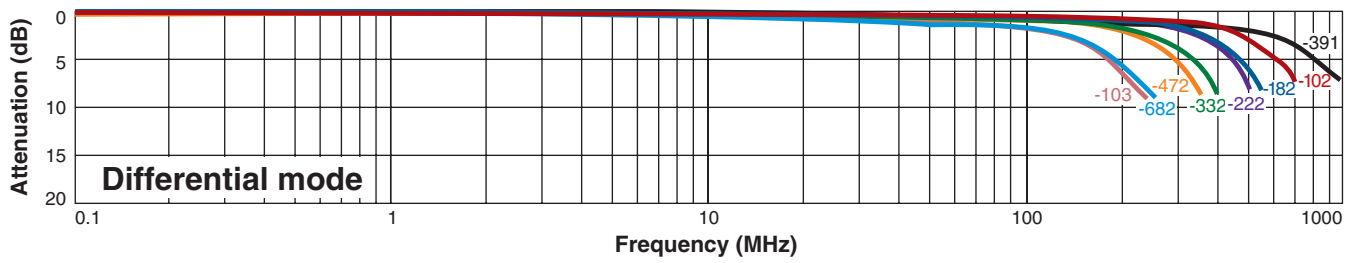
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This product may not be used in medical or high risk applications without prior Coilcraft approval. Specification subject to change without notice. Please check web site for latest information.

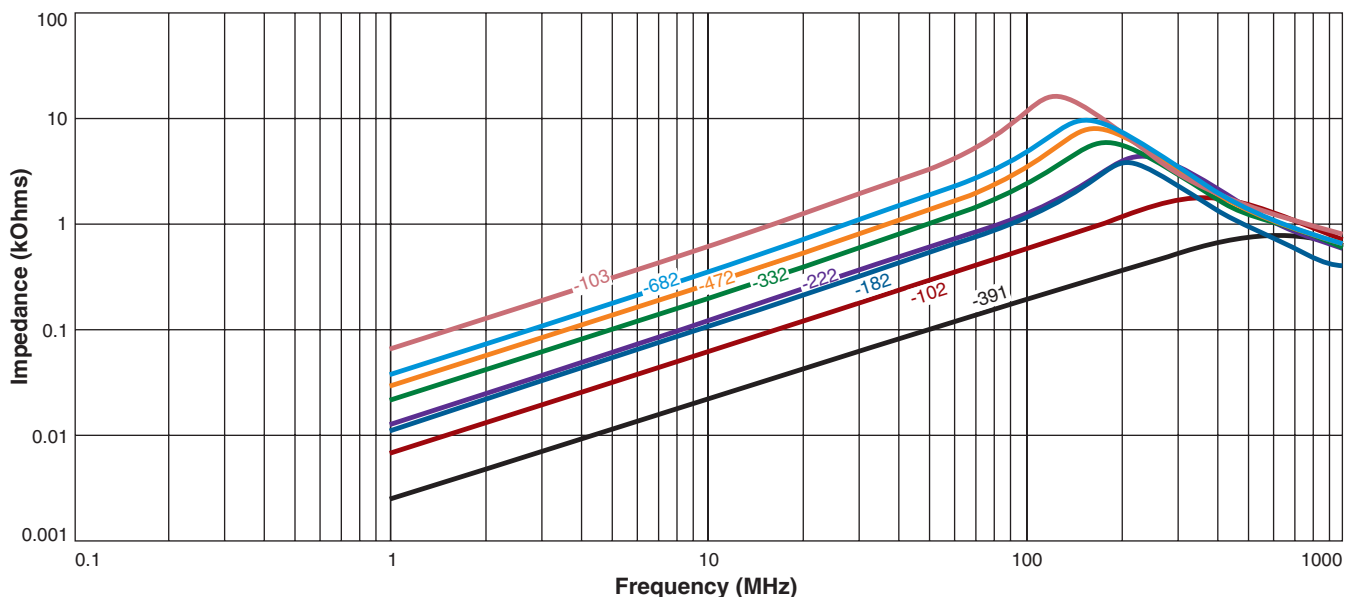
NEW!

PF3215 Common Mode Chokes

Typical Attenuation (Ref: 50 Ohms)



Typical Impedance vs Frequency



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