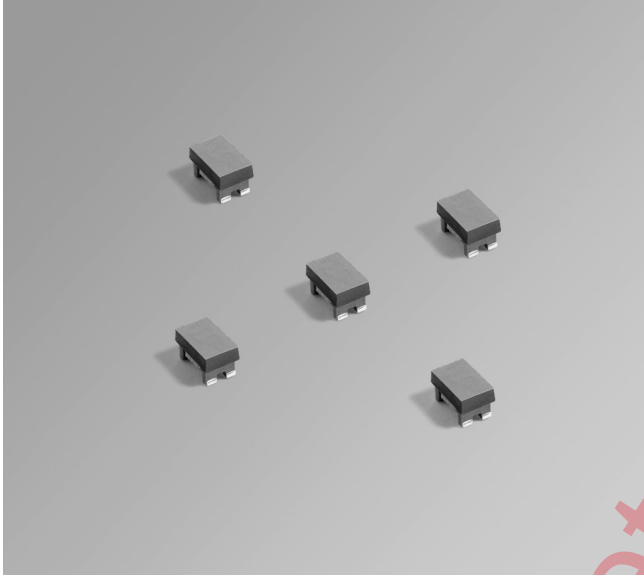


NEW!

Common Mode Chokes – PFD2015



- Miniature surface mount component, only 2.2 × 1.45 mm footprint and 1.5 mm tall
- Eliminates virtually all common mode noise
- Designed for high-speed applications
- Nine values to meet your specific requirements
- Low DCR values

Core material Ferrite

Environmental RoHS compliant, halogen free

Weight 13 – 23 mg

Terminations RoHS compliant silver-palladium-platinum-glass frit.

Ambient temperature –40°C to +125°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, 0.23 mm thick, 4 mm pocket spacing, 1.63 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)
PFD2015-102ME_	0.80	0.165	250	0.800
PFD2015-122ME_	0.96	0.175	250	0.750
PFD2015-182ME_	1.44	0.294	250	0.490
PFD2015-272ME_	2.16	0.477	250	0.410
PFD2015-332ME_	2.64	0.670	250	0.370
PFD2015-472ME_	3.76	1.00	250	0.260
PFD2015-682ME_	5.44	1.75	250	0.187
PFD2015-822ME_	6.56	2.50	250	0.150
PFD2015-103ME_	8.00	3.40	250	0.130

1. When ordering, please specify **packaging** code:

PFD2015-103MEC

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 D 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.

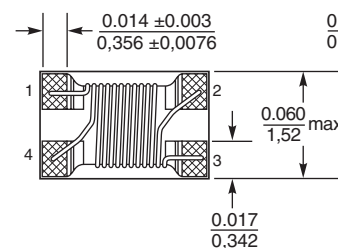
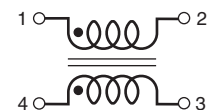
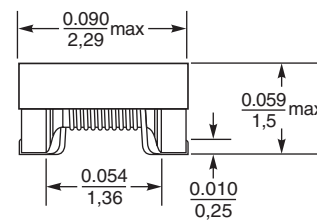
3. DCR is for each winding.

4. Interwinding 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.



**Recommended
Land Pattern**

0.022
0.559

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



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Document 1006C-1 Revised 07/18/13

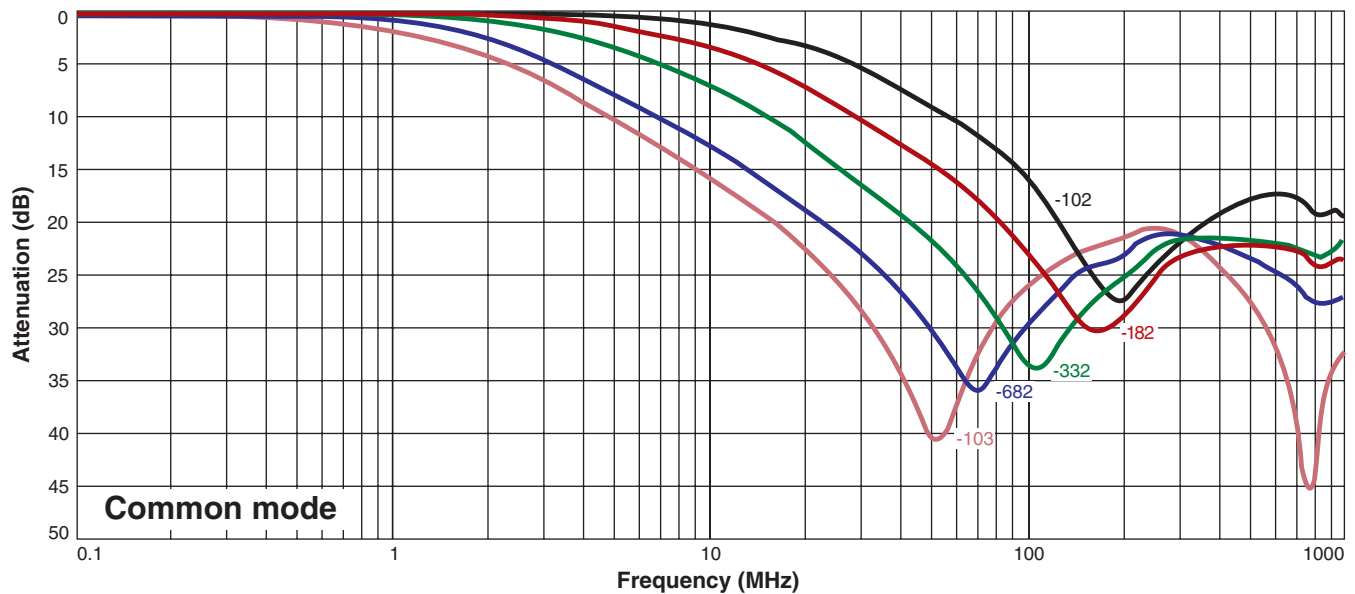
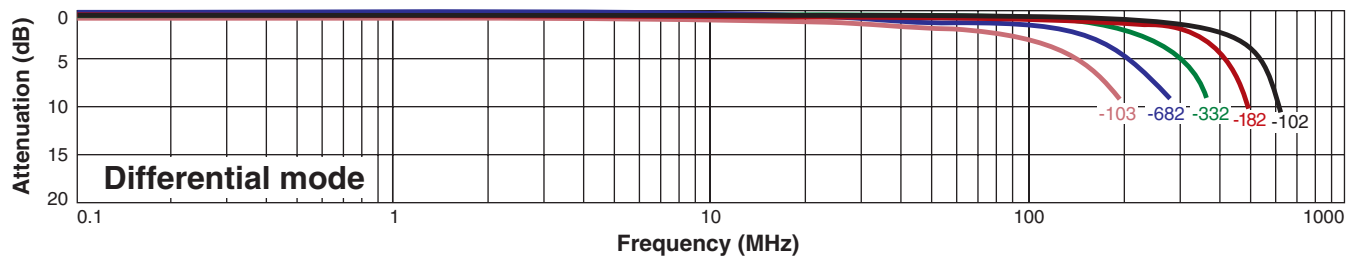
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This product may not be used in medical or high risk applications without prior Coilcraft approval. Specification subject to change without notice. Please check web site for latest information.

NEW!

PFD2015 Common Mode Chokes

Typical Attenuation (Ref: 50 Ohms)



Typical Impedance vs Frequency

