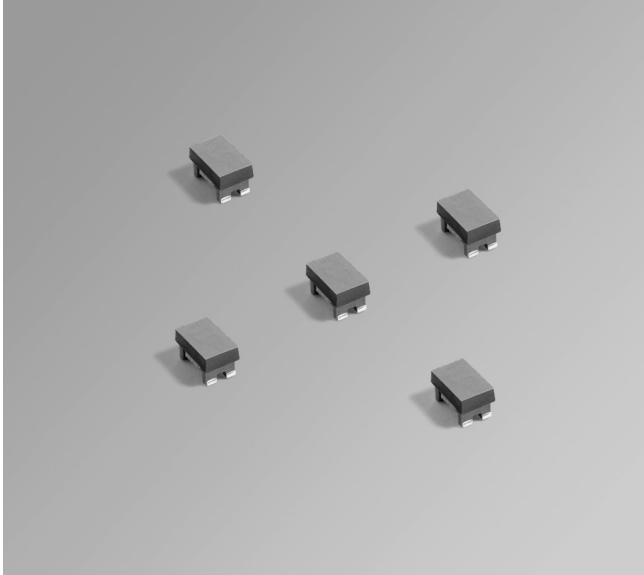


NEW!

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 to MIL-STD-202 Method 215 plus an additional aqueous wash. See [Doc787_PCB_Washing.pdf](#).

Part number ¹	Inductance ² min (µH)	DCR max ³ (Ohms)	Isolation ⁴ (Vrms)	Irms 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.

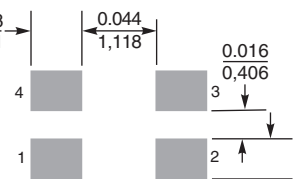
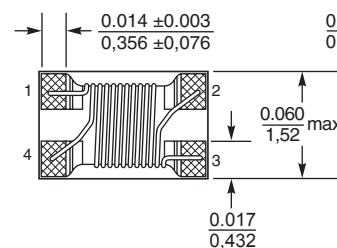
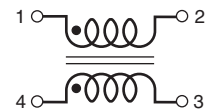
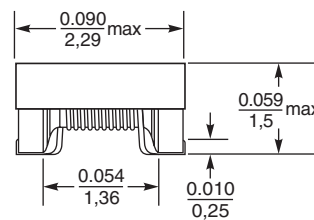
3. DCR is for each winding.

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**

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



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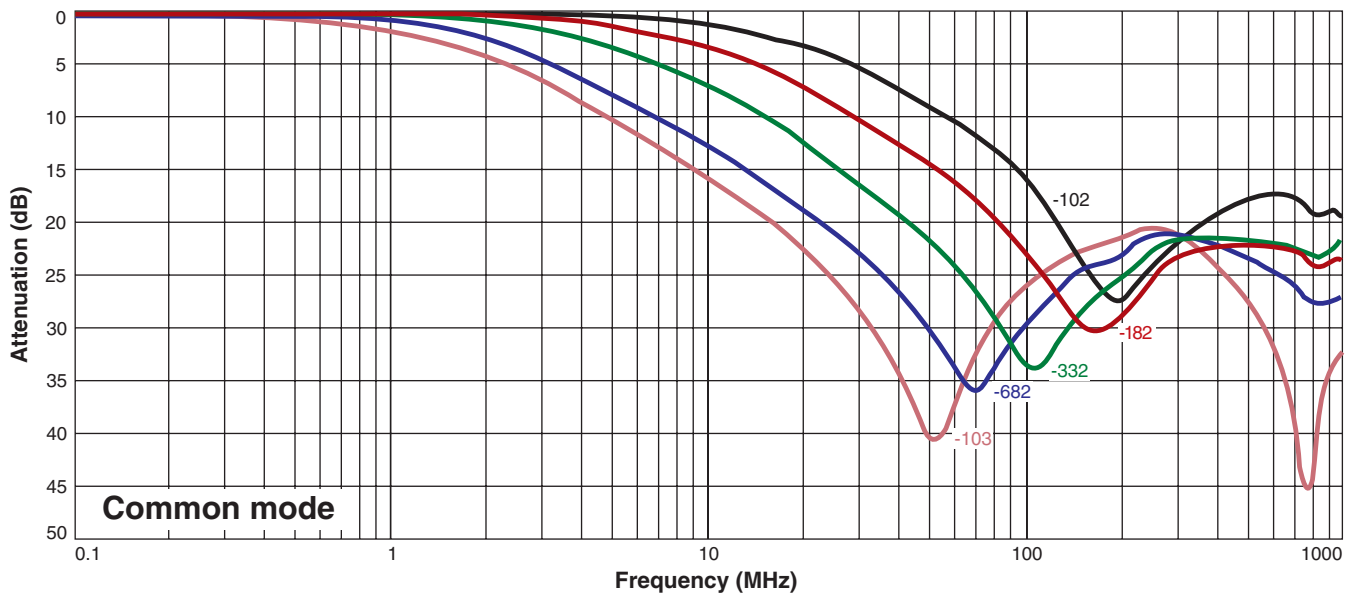
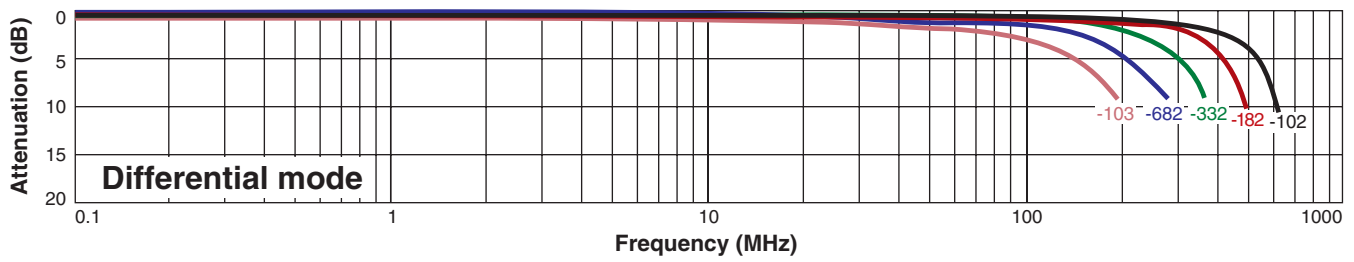
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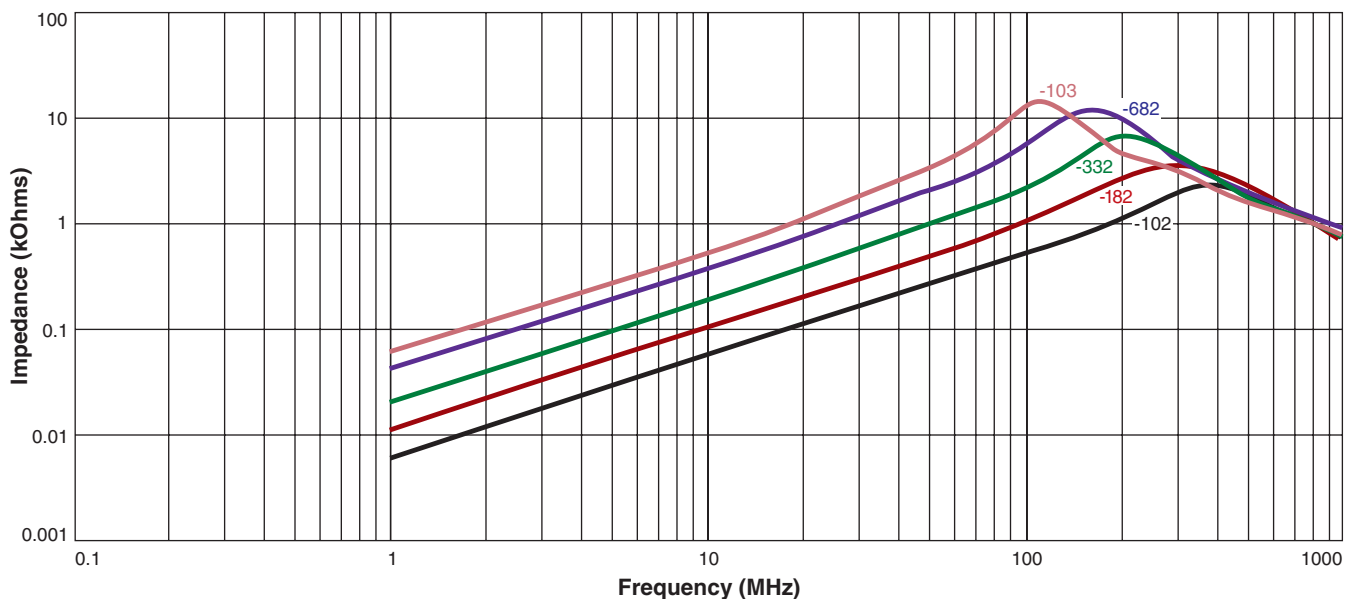
NEW!

PFD2015 Common Mode Chokes

Typical Attenuation (Ref: 50 Ohms)



Typical Impedance vs Frequency



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