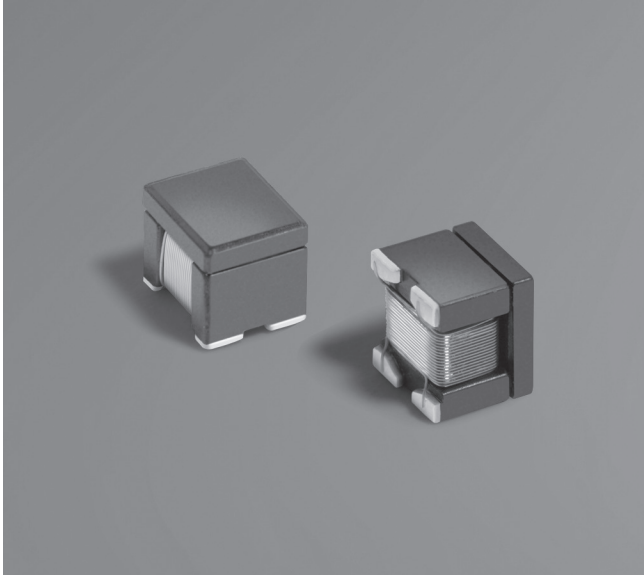


NEW!

Common Mode Chokes DFC1210



- Low profile 1210 footprint: 3.25 x 2.67 x 2.8 mm
- High frequency common mode noise suppression
- High Current
- AEC-Q200 qualified

Core material Ferrite

Environmental RoHS compliant, halogen free

Terminations RoHS compliant matte tin over nickel over silver-palladium-glass frit

Weight 70 mg

Ambient temperature -40°C to +125°C with (25°C rise) Irms current.

Maximum part temperature +150°C (ambient + temp rise).

Storage temperature Component: -40°C to +150°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)

Packaging 750/7" reel; 3000/13" reel; Plastic tape: 12 mm wide, 0.25 mm thick, 8 mm pocket spacing, 2.72 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	Common mode impedance typ (Ohms)	Inductance -30% +50%(μH) ²		DCR max (mOhms) ³		Isolation ⁴ (VDC / Vrms)	Irms (A)		
		L1	L2	pri	sec		25°C ⁵	85°C ⁶	125°C ⁷
DFC1210-681RC	150 @ 100 MHz	0.68	0.68	75	75	353 / 250	1.7	1.5	1.15
DFC1210-122RC	275 @ 100 MHz	1.2	1.2	90	90	353 / 250	1.7	1.5	1.15
DFC1210-182RC	425 @ 100 MHz	1.8	1.8	105	105	353 / 250	1.5	1.35	1.0

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

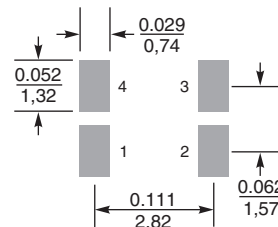
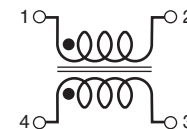
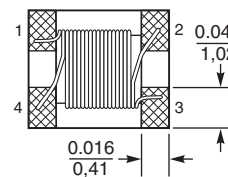
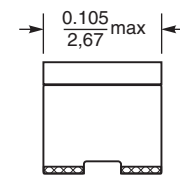
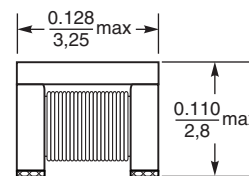
DFC1210-182RC

Packaging: **C** = 7" machine-ready reel. EIA-481 embossed plastic tape (750 parts per full reel). Quantities less than full reel available: in tape (not machine ready) or with leader and trailer (\$25 charge).

D = 13" machine-ready reel. EIA-481 embossed plastic tape (3000 parts per full reel). Factory order only, not stocked.

- Inductance is measured at 100 kHz, 0.1 Vrms, 0 ADC on an Agilent 4263B (or equivalent).
- DCR is measured on a Keithley 580 Micro-ohmmeter (or equivalent).
- 353 VDC / 250 Vrms, one minute isolation (hipot) measured between primary and secondary.
- Current that causes a 40°C rise at 25°C.
- Current that causes a 40°C rise at 85°C.
- Current that causes a 25°C rise at 125°C.
- Electrical specifications at 25°C.

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



**Recommended
Land Pattern**



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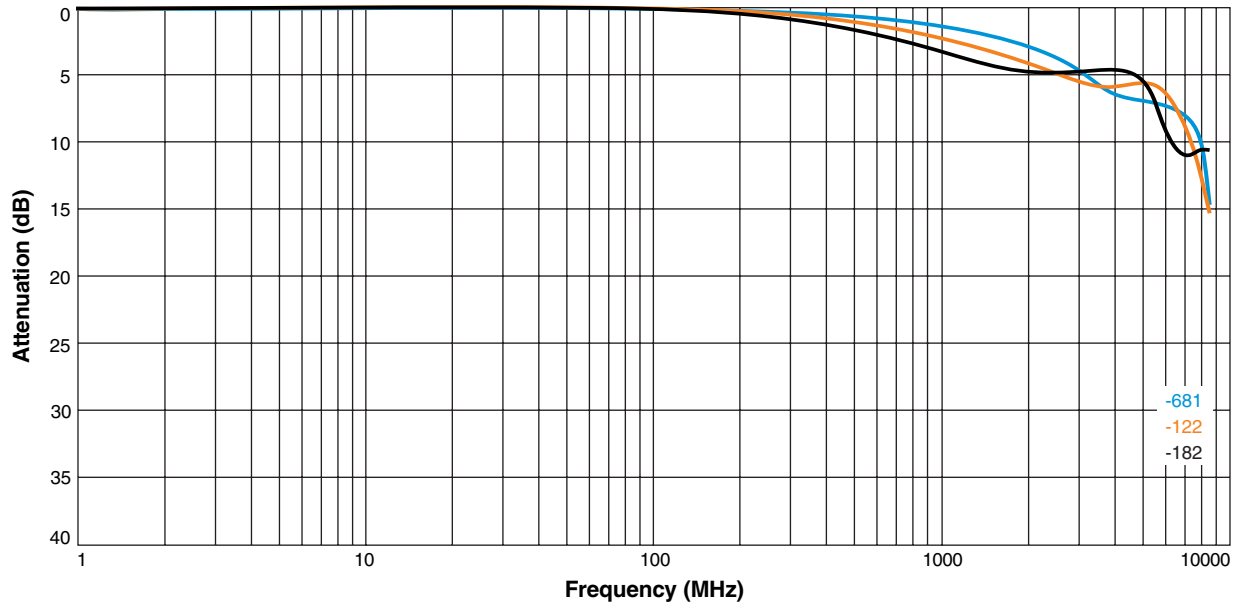
This product may not be used in medical or high risk applications without prior Coilcraft approval. Specification subject to change without notice. Please check web site for latest information.



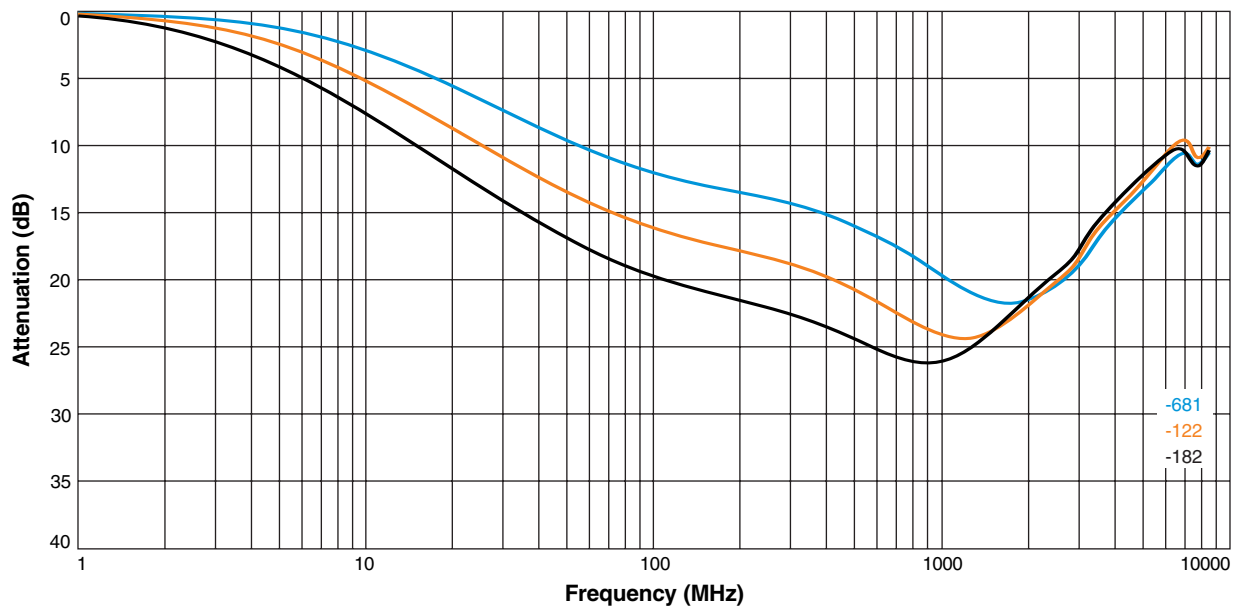
DFC1210 Common Mode Chokes

Attenuation vs Frequency

Differential Mode



Common Mode

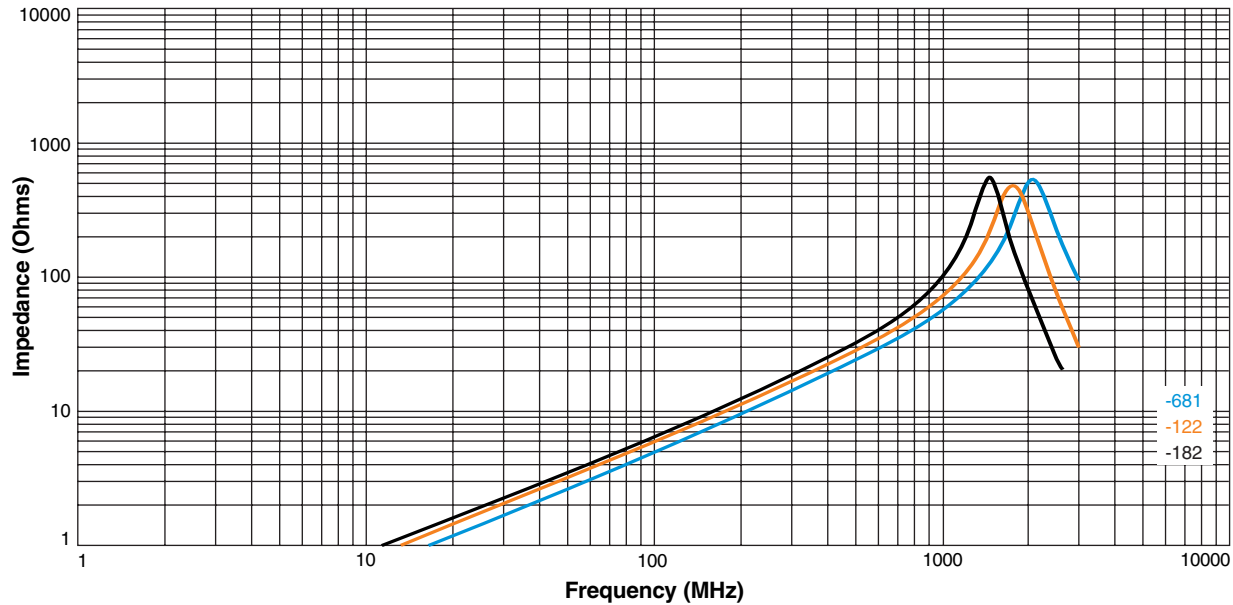




DFC1210 Common Mode Chokes

Impedance vs Frequency

Differential Mode



Common Mode

