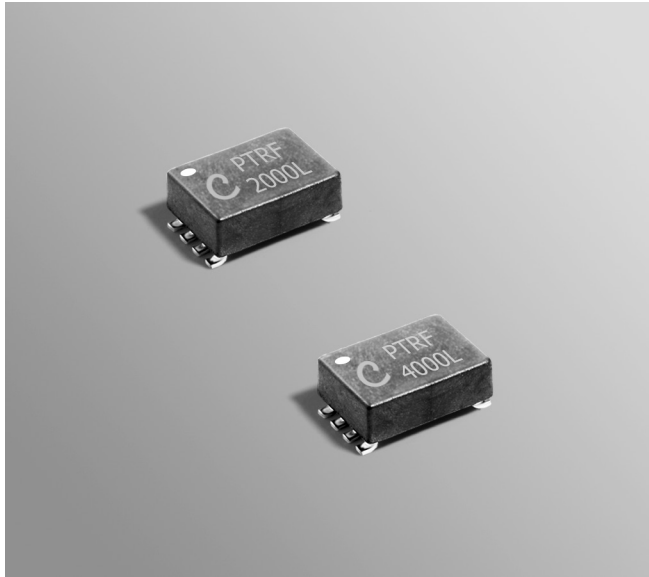




Surface Mount Tip and Ring Filters



These surface mount tip and ring filters provide substantial reduction of noise throughout an extended frequency range. Their economical design makes them attractive for a wide variety of applications.

Free evaluation samples are available by contacting Coilcraft or ordering them on-line at www.coilcraft.com.

- Core material** Ferrite
- Terminations** RoHS tin-silver-copper over tin over nickel over phos bronze
- Weight** 214 – 216 mg
- Ambient temperature** -40°C to +85°C
- Storage temperature** Component: -40°C to +85°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** 500/7" reel; 2000/13" reel Plastic tape: 16 mm wide, 0.35 mm thick, 8 mm pocket spacing, 4.4 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	Lines	Common mode peak impedance (kOhms)	Cutoff frequency ² (MHz)	Inductance min (µH) ³	DCR max ⁴ (Ohms)	Isolation ⁵ (Vrms)	Current ⁶ (mAdc)
PTRF2000L_	1	0.814 @ 11 MHz	38	35	0.075	1500	500
PTRF4000L_	2	0.851 @ 12 MHz	41	35	0.135	1500	500

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

PTRF4000LC

Packaging: **C** = 7" machine ready reel. EIA-481 embossed plastic tape, 500 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. Factory order only, not stocked, 2000 parts per full reel.

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.

- 2 Frequency at which the differential mode attenuation equals -3 dB
 - 3 Inductance shown for each winding, measured at 130 kHz, 0.1 Vrms, 0 Adc on an Agilent/HP 4284A LCR meter or equivalent.
 - 4 DCR is for each winding.
 - 5 Interwinding isolation (hipot) tested for one minute.
 - 6 Electrical specifications at 25°C.
- Refer to Doc 362 "Soldering Surface Mount Components" before soldering.

