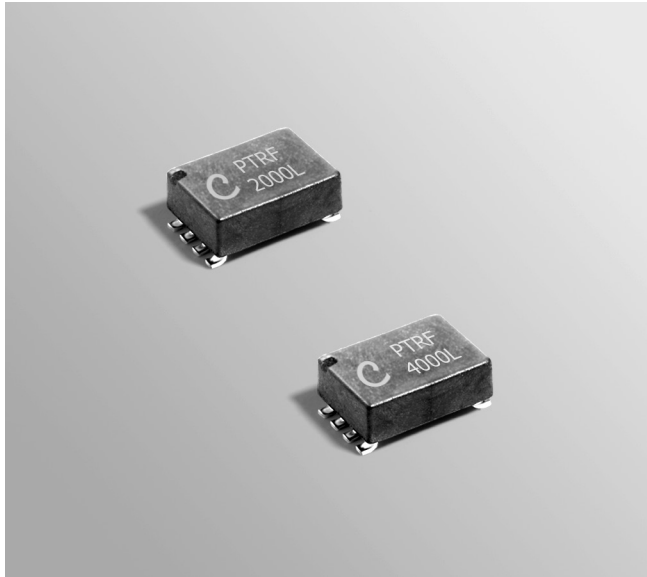




# Surface Mount Tip and Ring Filters



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](http://www.coilcraft.com).

Part number <sup>1</sup>	PTRF2000L_	PTRF4000L_
Lines	1	2
Minimum inductance: (each winding @ 130 kHz)	35 µH	35 µH
Rated current:	500 mA	500 mA
DCR each winding:	0.075 Ω max	0.135 Ω max
Dielectric strength:	1500 Vrms (1-8)	1500 Vrms (1,2-7,8)

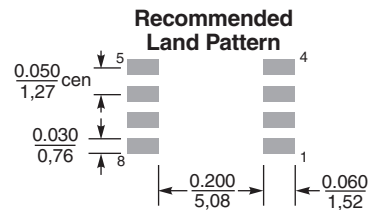
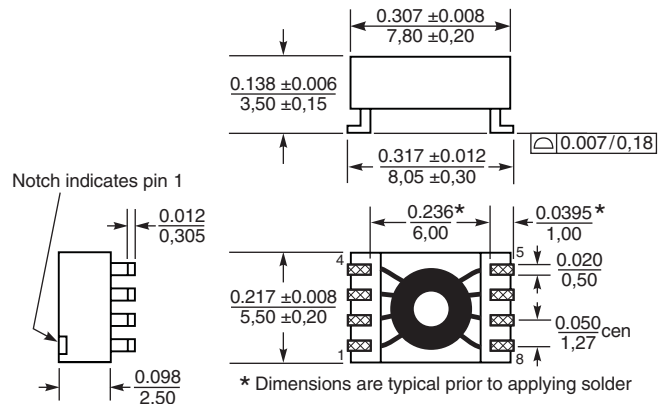
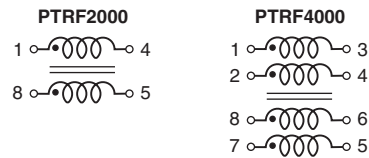
1. When ordering, please specify **packaging** code:

**PTRF4000LC**

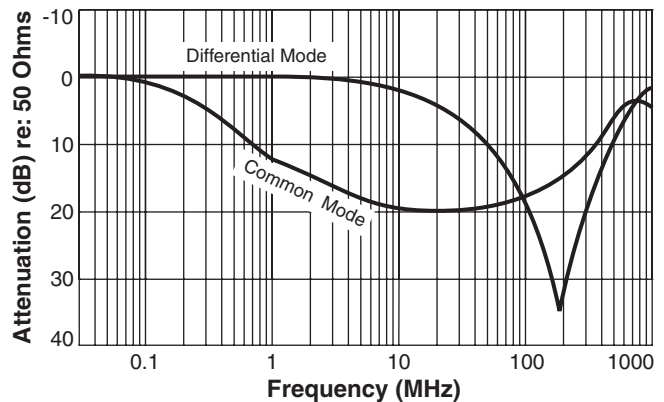
- Packaging:** C = 7" machine ready reel. EIA-481 embossed plastic tape, 500 parts per full reel.  
 B = Less than full reel. In tape, but not machine ready. To have a leader and trailer added (\$25 charge), use code letter C instead.  
 D = 13" machine ready reel. EIA-481 embossed plastic tape. Factory order only, not stocked, 2000 parts per full reel.

2. Electrical specifications at 25°C.  
 Refer to Doc 362 "Soldering Surface Mount Components" before soldering.

- 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](#).



## Typical Response\*\*



\*\*Measured on Agilent/HP 8753D network analyzer.



**US** +1-847-639-6400 sales@coilcraft.com  
**UK** +44-1236-730595 sales@coilcraft-europe.com  
**Taiwan** +886-2-2264 3646 sales@coilcraft.com.tw  
**China** +86-21-6218 8074 sales@coilcraft.com.cn  
**Singapore** + 65-6484 8412 sales@coilcraft.com.sg

Document 492 Revised 11/10/05  
 © Coilcraft Inc. 2016  
 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.