

# Tip and Ring Filters for Critical Applications



These surface mount tip and ring filters provide substantial reduction of noise throughout an extended frequency range.

Part number <sup>1</sup>	ST515FRF3531LZ	ST515FRF3532LZ
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 **termination** code:

**ST515FRF3531LZ**

**Termination: L** = Tin-silver-copper over tin over nickel over phos bronze  
Special order: **S** = nTin-lead (63/37).

- Operating temperature range –40°C to +85°C.
- Electrical specifications at 25°C.

**Core material** Ferrite

**Terminations** Tin-silver-copper over tin over nickel over phos bronze.  
Other terminations available at additional cost.

**Weight** 214 – 216 mg

**Ambient temperature** –40°C to +85°C

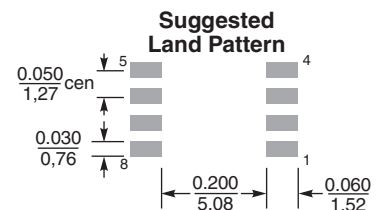
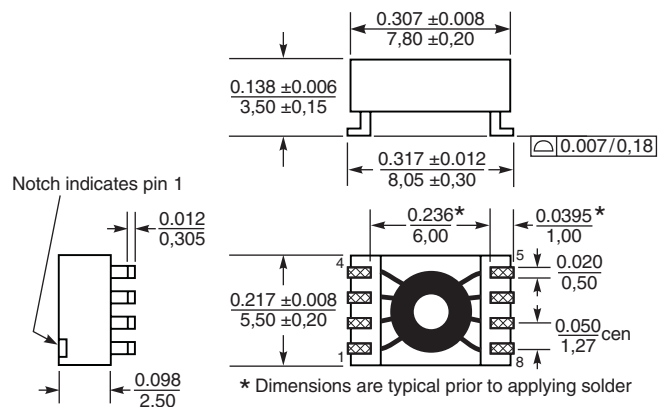
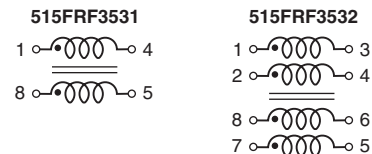
**Maximum part temperature** +85°C (ambient + temp rise).

**Storage temperature** Component: –55°C to +85°C.  
Tape and reel packaging: –55°C to +80°C

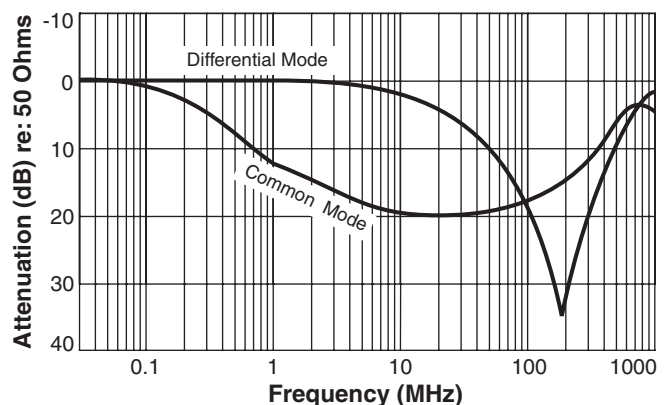
**Resistance to soldering heat** Max three 40 second reflows at +260°C, parts cooled to room temperature between cycles

**Moisture Sensitivity Level (MSL)** 1 (unlimited floor life at <30°C / 85% relative humidity)

**Packaging** 250/7" reel; Plastic tape: 16 mm wide, 0.35 mm thick, 8 mm pocket spacing, 4.4 mm pocket depth



## Typical Response\*\*



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

