

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 ¹	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 = RoHS compliant tin-silver-copper over tin over nickel over phos bronze
Special order: **S** = non-RoHS tin-lead (63/37).

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

Core material Ferrite

Terminations RoHS compliant 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

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

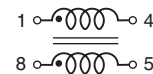
Resistance to soldering heat Max three 40 second reflows at +260°C, parts cooled to room temperature between cycles

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

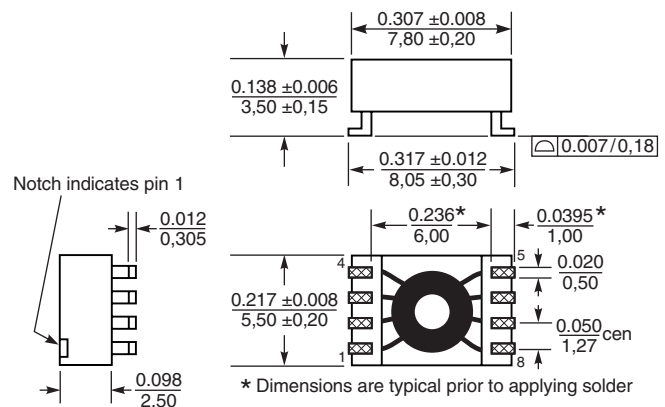
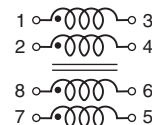
Packaging 250/7" reel; Plastic tape: 16 mm wide, 0.35 mm thick, 8 mm pocket spacing, 4.4 mm pocket depth

PCB washing Only pure water or alcohol recommended

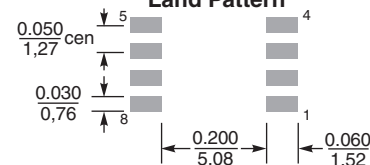
515FRF3531



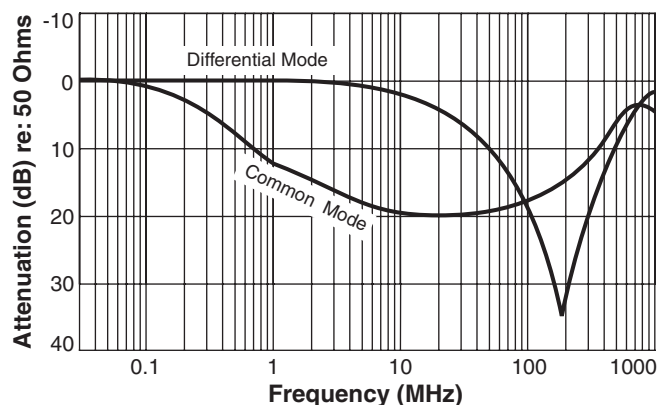
515FRF3532



Suggested Land Pattern



Typical Response**



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