

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 μ H	35 μ H
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).

2. Operating temperature range -40°C to $+85^{\circ}\text{C}$.

3. 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 $+85^{\circ}\text{C}$

Storage temperature Component: -55°C to $+85^{\circ}\text{C}$.

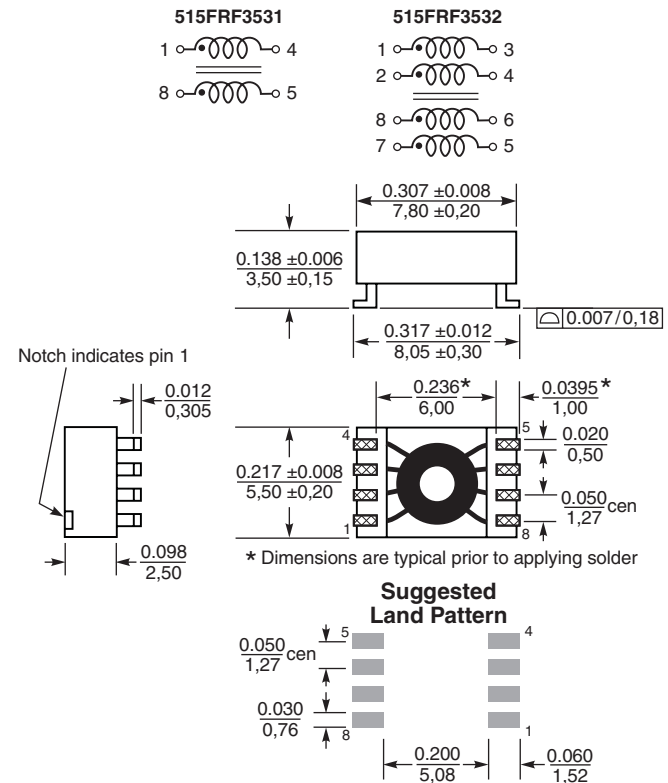
Tape and reel packaging: -55°C to $+80^{\circ}\text{C}$

Resistance to soldering heat Max three 40 second reflows at $+260^{\circ}\text{C}$, parts cooled to room temperature between cycles

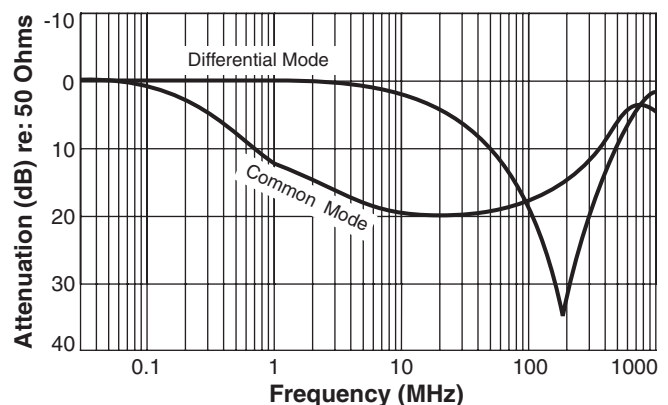
Moisture Sensitivity Level (MSL) 1 (unlimited floor life at $<30^{\circ}\text{C}$ / 85% relative humidity)

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



Typical Response**



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