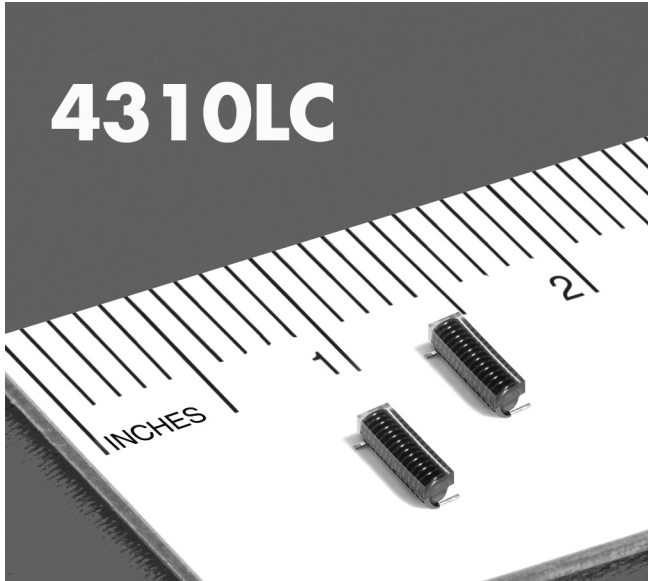


NEW!

Wideband Bias Chokes - 4310LC



- Flat bandwidth with high impedance to 6 GHz
- Low DCR and excellent current handling
- Ideal for use in high current bias Tee applications

Core material Ferrite**Environmental** RoHS compliant, halogen free**Terminations** RoHS compliant tin-silver (96.5/3.5) over copper. Other terminations available at additional cost.**Weight** 0.42 g**Ambient temperature** -40°C to +85°C with Irms current, +85°C to +125°C with derated current**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)**Failures in Time (FIT) / Mean Time Between Failures (MTBF)**

38 per billion hours / 26,315,789 hours, calculated per Telcordia SR-332

Packaging 350/7" reel, 1500/13" reel; Plastic tape: 24 mm wide, 0.3 mm thick, 12 mm pocket spacing, 3.5 mm pocket depth**PCB washing** Tested with pure water or alcohol only. For other solvents, see Doc787_PCB_Washing.pdf.

Part number ¹	Inductance ² ±10% (µH)	SRF (typ) ³ (MHz)	DCR (max) ⁴ (mOhm)	Irms (A) ⁵	
				20°C rise	40°C rise
4310LC-132KE_	1.30	235	15.1	2.7	4.2
4310LC-352KE_	3.50	188	49.0	2.3	3.1

1. When ordering, please specify **packaging** code:**4310LC-132KEC****Packaging:** C = 7" machine-ready reel. EIA-481 embossed plastic tape (350 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 (1500 parts per full reel).

2. Inductance measured at 100 kHz, 0.1 Vrms, 0 Adc using an Agilent/HP 16193 fixture in Agilent/HP 4284A impedance analyzer. or equivalents.

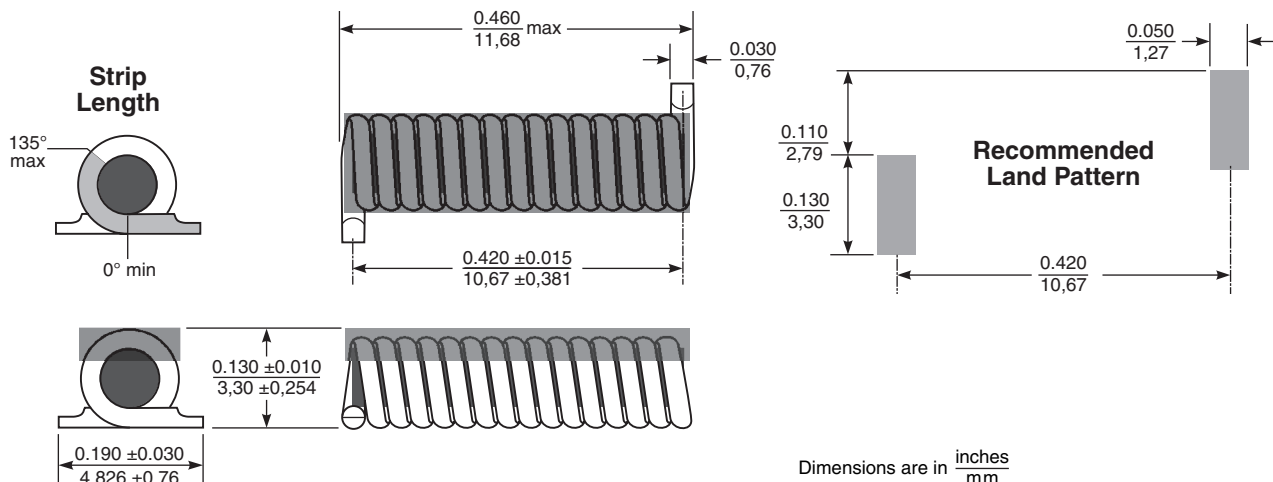
3. SRF measured using Agilent/HP 8753D network analyzer or equivalent and a Coilcraft SMD-F test fixture.

4. DCR measured on Keithley 580 micro-ohmmeter or equivalent.

5. Current that causes the specified temperature rise from 25°C ambient. Because of their open construction, these parts will not saturate.

7. Electrical specifications at 25°C.

Refer to Doc 362 "Soldering Surface Mount Components" before soldering.



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Document 878-1 Revised 01/03/12

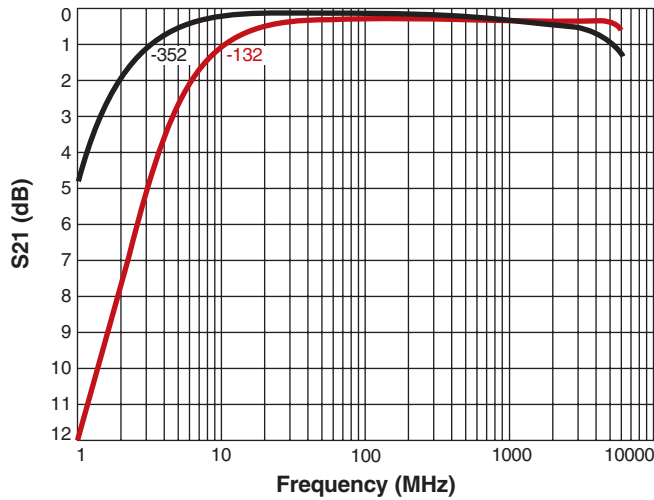
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This product may not be used in medical or high risk applications without prior Coilcraft approval. Specification subject to change without notice. Please check web site for latest information.

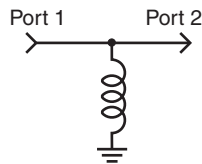
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Wideband Bias Chokes - 4310LC

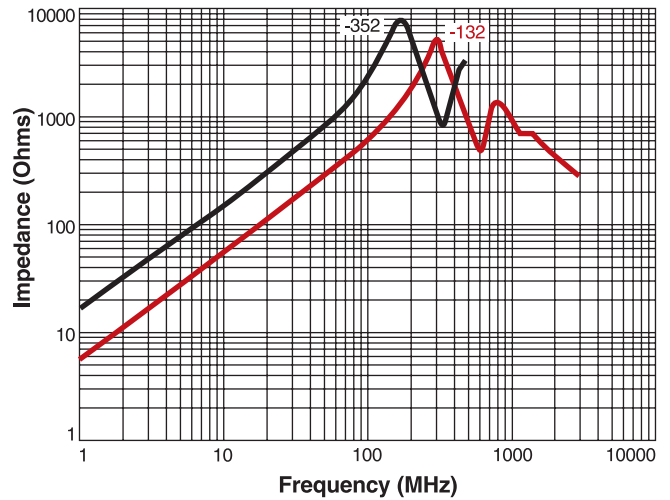
Insertion Loss (Ref: 50 Ohms)



Insertion loss measured in a bias tee configuration with an Agilent/HP 8753ES network analyzer.



Impedance vs Frequency



Irms Derating

