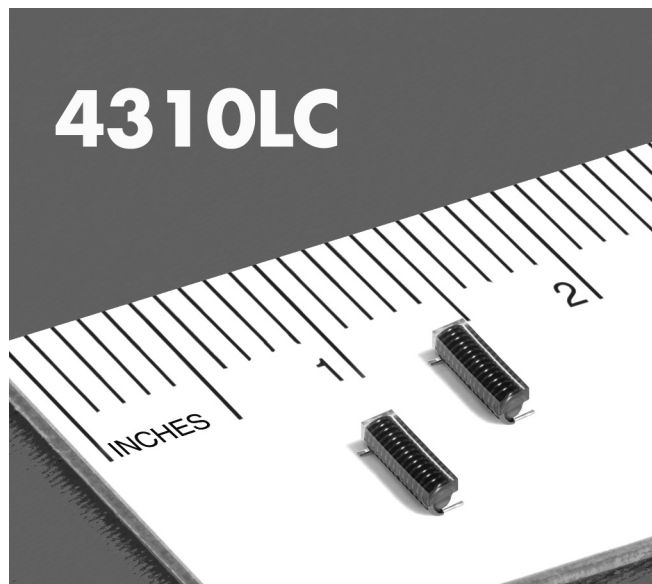


NEW!

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.

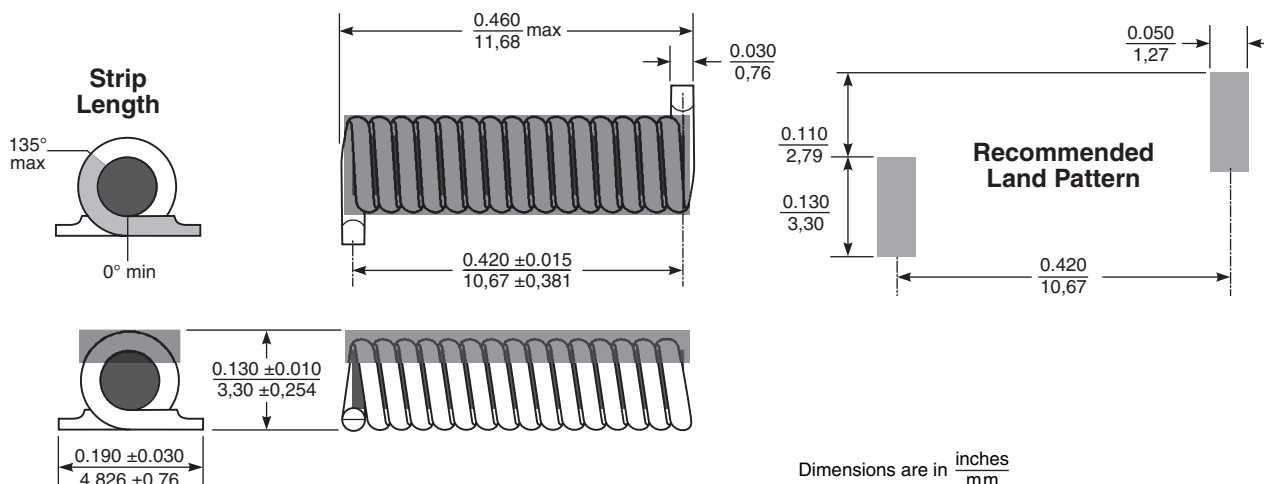
3. SRF measured using Agilent/HP 8753D network analyzer or equivalent and a Coilcraft SMD-F test fixture.

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.

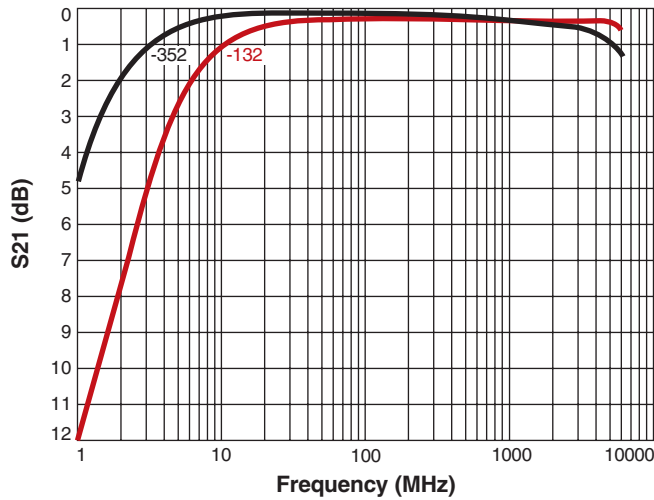


Dimensions are in $\frac{\text{inches}}{\text{mm}}$

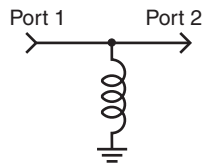
NEW!

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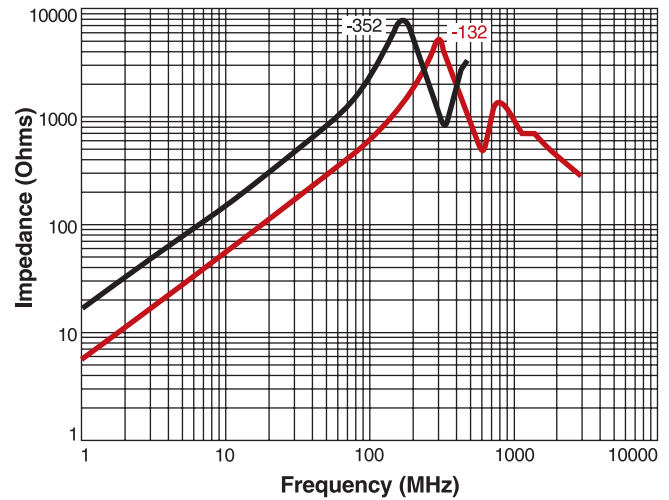
Insertion Loss (Ref: 50 Ohms)



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



Impedance vs Frequency



Irms Derating

