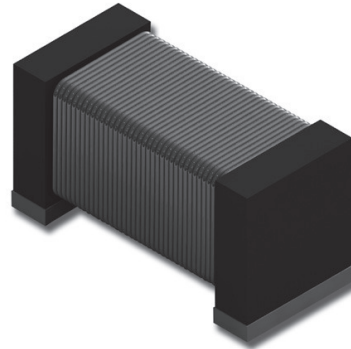


TC0502

SMD Telecoil 5.1x2.3x2.6 mm (40 mH - 270 mH)

Main characteristics

- Small size
- High sensitivity
- SMD mounting

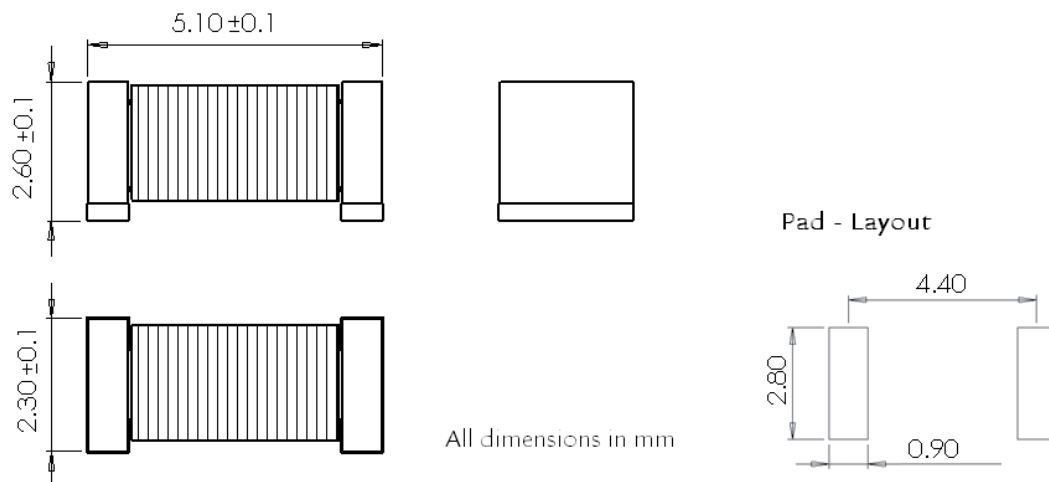


Typical application

- Hearing aid devices

This new design is coil with a very stable and high quality ferrite core and tiny size (5.1 x 2.3 x 2.4mm) and high sensitivity in low frequency range (20-40kHz). Those pieces are winding with thin copper wire up to 12 μ m and its inductances range is 40-270mH. Besides, it has good frequency and temperature behaviour and can be served with “custom” electric characteristics according requirements of hearing aid devices manufacturers.

Dimensions and recommended pad-layout



Electrical specifications

P/N	L(mH) @ 1kHz	Tolerance	Rdc (K Ω)	SRF (kHz)	Sensitivity (mVpp/App/m) @1kHz
TC0502-04000J	40	±5%	0,6	> 250	> 0,6
TC0502-14000J	140	±5%	1,8	> 100	> 1,1
TC0502-17000J	170	±5%	2,1	> 100	> 1,30
TC0502-27000J	270	±5%	2,8	> 80	> 1,70

This chart is a reference guide for the most common required values at working frequency of 1KHz. Any other inductance value at LF or tighter tolerances can be provided. Please contact our sales department for any inquiry. Sensitivity measured with Helmholtz coils H=6.34 App/m @1 kHz. Contact us for measurement specification. Metallization: Ag(Base)/Ni(inter)/Sn(Finish)