

# TP0602-TC

## Micro SMD Hard Ferrite Telecoil

6.6 x 2.3 x 1.75 mm (40mH - 170mH)

### Features

The TP0602-TC surface mountable ferrite wound inductor is a small telecoil solution for hearing aid devices. It uses high quality ferrite core and tiny size (6.6 x 2.3 x 1.75 mm). Those pieces are winding with thin copper wire up to 12  $\mu\text{m}$  and its inductance range is 40-170mH. Besides, it has good frequency and temperature behavior and can be served with “custom” electrics characteristics according requirements of hearing aid devices manufacturers.

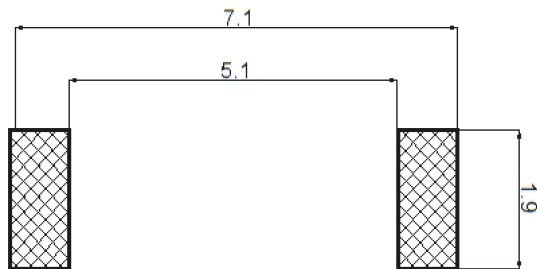
### Main Characteristics

- Small size
- High sensitivity
- SMD mounting

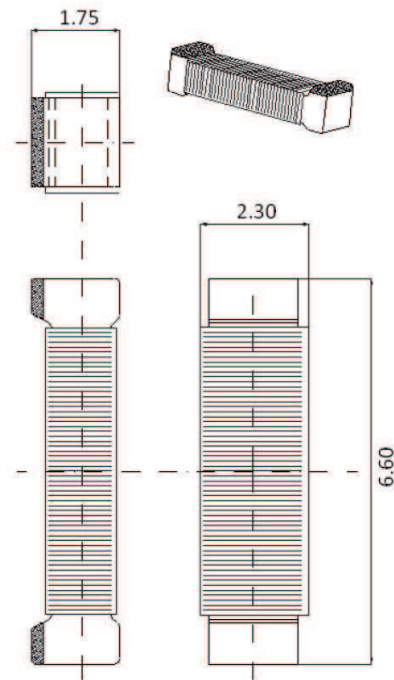
### Typical application

- Hearing aid devices

### Dimensions and recommended pad layout



All dimensions in mm



All dimensions in mm

Tolerances unless otherwise specified:  $\pm 0.20\text{mm}$

### Electrical specifications

| P/N              | L(mH) @ 1kHz | Tolerance | Rdc (K $\Omega$ ) | SRF (kHz) | Sensitivity<br>(mVpp/App/m) @1kHz |
|------------------|--------------|-----------|-------------------|-----------|-----------------------------------|
| TP0602-TC-04000J | 40           | $\pm 5\%$ | 1,1               | > 220     | 0,80                              |
| TP0602-TC-10000J | 100          | $\pm 5\%$ | 3,1               | > 100     | 0,90                              |
| TP0602-TC-17000J | 170          | $\pm 5\%$ | 4,0               | > 80      | 1,10                              |

This chart is a reference guide for the most common required values at working frequency of 1 kHz.

Please contact our sales department for any inquiry. Contact us for measurement specification.

Operating and test frequency: 1kHz

SRF: Self-resonance frequency of the coil