

TP0502

5.2x2.4x2.7 mm MAX

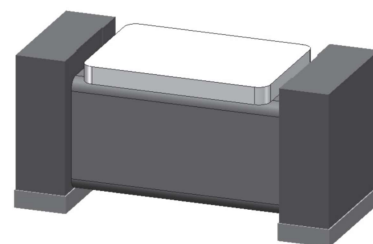
SMD Transponder Coil

Features

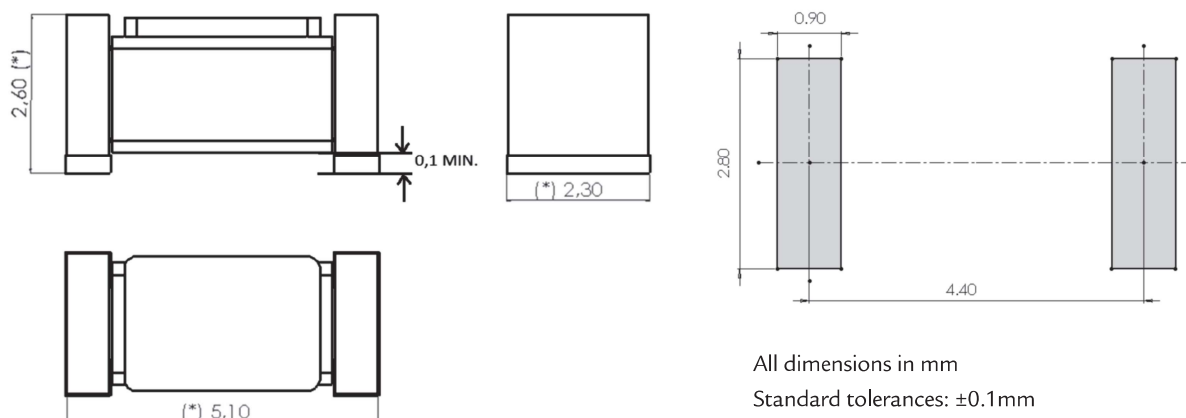
This single axis transponder suitable for Surface Mountable process combines a very small size and a good electrical performance and stability in temperature. A very good solution for RTPMS, Keyless Go and Keyless entry systems.

Characteristics

- Very small size: 5.2x2.4x2.7mm
- Good mechanical performance
- Good sensitivity in small volume
- Very stable electrical properties in full operational operative range (-40°C → +125°C)
- Wire: H, 125°C solderable.
- Terminals: Ag-Ni-Sn100
- Max. Operating Temperature: +125°C
- Suitable for Pick&Place SMD assembly



Dimensions



Electrical specifications

| Code | L (mH) | Q min | SRF (kHz) Min | DCR (Ω) Max | Sensitivity (mVpp/App/m) min | Dimensions (mm) Max |
|--------------|-----------|-------|------------------|----------------|------------------------------------|---------------------------|
| TP0502-0238J | 2.38 ± 5% | 30 | 600 | 64.9 | 25 | 5.2 x 2.4 x 2.7 |
| TP0502-0491J | 4.91 ± 5% | 28 | 550 | 94.6 | 32 | 5.2 x 2.4 x 2.7 |
| TP0502-0589J | 5.89 ± 5% | 26 | 550 | 104.5 | 37 | 5.2 x 2.4 x 2.7 |
| TP0502-0720J | 7.2 ± 5% | 24 | 500 | 127.6 | 40 | 5.2 x 2.4 x 2.7 |
| TP0502-0900J | 9.0 ± 5% | 22 | 450 | 143.0 | 45 | 5.2 x 2.4 x 2.7 |
| TP0502-1600J | 16.0 ± 5% | 28 | 450 | 191.4 | 60 | 5.2 x 2.4 x 2.7 |