

# TP0702U

7.8x2.2x2.5 mm MAX

## SMD Transponder Coil

### Features

This TP0702U Series of Surface Mountable ferrite wound inductor is a stronger solution in very small dimensions performing very good electrical properties, a very good solution for RTPMS, Keyless Go and Keyless entry systems:

### Characteristics

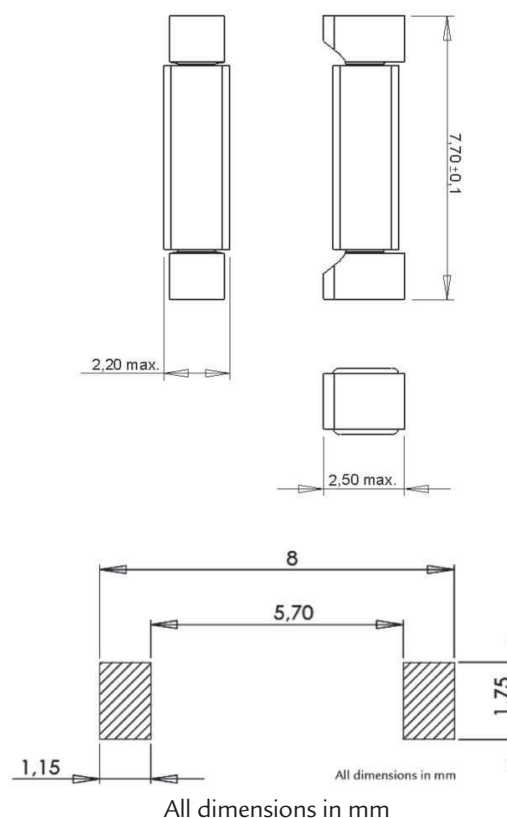
- Size: 8x2.2x2.5mm.
- Very good mechanical performance.
- High sensitivity in the smallest volume.
- Very stable electrical properties in full operational temperature range (-40, +125°C).
- Good performance in thermal shock.
- Big metallised pad area Pb free.
- Good cost/performance ratio.

### Applications

- Due to its small dimensions, it's a suitable design for other applications working at lower frequencies.
- Terminals: Ag-Ni-Sn100.
- Wire: H, 125°C, Solderable.
- Max. Operating Temperature 150°C.



### Dimensions



### Electrical specifications

| P/N           | L (mH)    | Q min | SRF (kHz) Min | DCR (Ω) Max | Sensitivity (mVpp/ App/m) min | Dimensions (mm) Max |
|---------------|-----------|-------|---------------|-------------|-------------------------------|---------------------|
| TP0702U-0238J | 2.38 ± 5% | 30    | 900           | 25.3        | 25                            | 7.8 x 2.2 x 2.5     |
| TP0702U-0491J | 4.91 ± 5% | 35    | 700           | 38.5        | 38                            | 7.8 x 2.2 x 2.5     |
| TP0702U-0720J | 7.2 ± 5%  | 30    | 500           | 61.1        | 50                            | 7.8 x 2.2 x 2.5     |
| TP0702U-0900J | 9.0 ± 5%  | 30    | 450           | 84.7        | 55                            | 7.8 x 2.2 x 2.5     |

The specification chart is a reference guide for the most common required values at working frequencies of 125 kHz. Any other inductance value at LF or tighter tolerances can be provided.