

New

TP0502CAP

SMD Transponder Coil with CAP

5.4x2.8x2.9mm

SINGLE AXIS TRANSPONDERS INDUCTORS



FEATURES

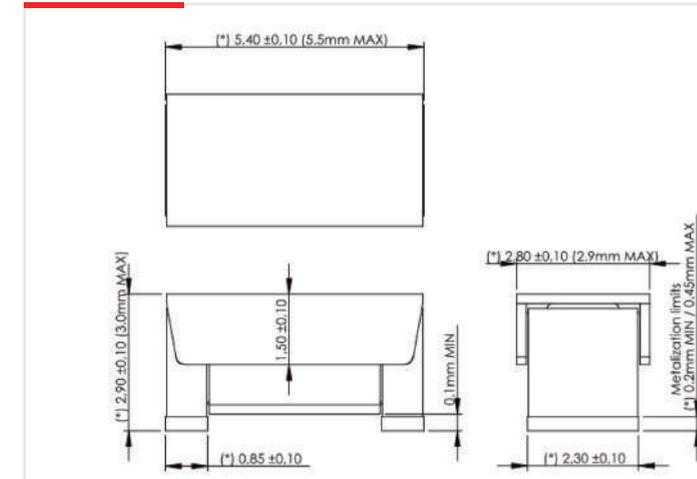
This single axis transponder suitable for Surface Mountable process combines a very small size and a good electrical performance and stability in temperature. A very good solution for RTPMS.

01 CHARACTERISTICS

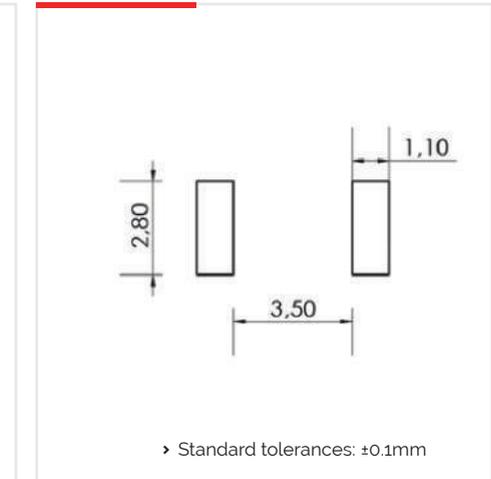
- › Very small size: 5.4x2.8x2.9mm
- › Good mechanical performance
- › Good sensitivity in small volume
- › Very stable electrical properties in full operational operative range (-40°C +125°C)
- › Wire: H, 125°C solderable.
- › Terminals: Ag-Ni-Sn100
- › Max. Operating Temperature: +125°C
- › Suitable for Pick&Place SMD assembly
- › This component is also functional to 20kHz and 134kHz.

02 SPECIFICATIONS

DIMENSIONS (mm)



RECOMMENDED PAD-LAYOUT



ELECTRICAL SPECIFICATIONS | 125kHz

Code	L (mH)	Q min	SRF (kHz) Min	Cres (pF)	DCR (Ω) Max	Sensitivity (mV/uT) min	Dimensions (mm) Max
TP0502CAP-0589J	5.89 ± 5%	22	550	270	96.8	20	5.4 x 2.8 x 2.9
TP0502CAP-0720J	7.2 ± 5%	20	550	220	107.8	25	5.4 x 2.8 x 2.9
TP0502CAP-1600J	16.0 ± 5%	21	400	100	191.4	40	5.4 x 2.8 x 2.9