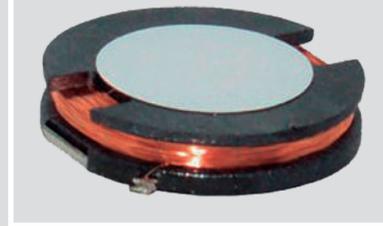


ZAC1203

SMD Z AXIS AIR Coil Low Profile

14.3x12x2.5mm (2.38mH - 6.38mH)

SINGLE AXIS TRANSPONDERS INDUCTORS



FEATURES

This SMD coil offers a very low profile solution for applications in which it's needed a transponder vertical coil with high sensitivity in z direction and a small surface area. **It's so a lower profile solution for those applications in which the height of the component is critical.** The design has the best electrical performance in these dimensions

01 CHARACTERISTICS

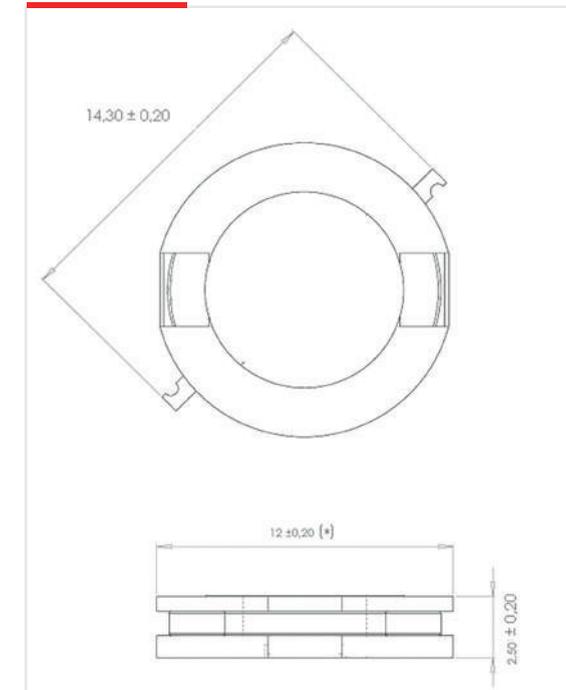
- › Very good electrical and mechanical performance
- › High stability in temperature (-40°C to +125°C)
- › High sensitivity values achieved with very good thermal performance
- › This component is also functional to 20 and 125 kHz.

02 APPLICATIONS

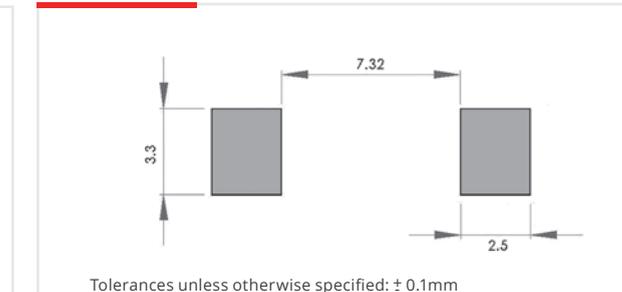
- › Passive Keyless Entry and Keyless Go Systems
- › RTPMS with wake up functions
- › Industrial logistics and control
- › Access control
- › Tracking devices

03 SPECIFICATIONS

DIMENSIONS (mm)



RECOMMENDED PAD-LAYOUT



ELECTRICAL SPECIFICATIONS | 125KHz

P/N	L (mH)	Q	SRF (MHz)	RDC (Ω) max.	Sensitivity (mVpp/App/m)
ZAC1203-0238J	2.38 ± 5%	>18	>1	93	>30
ZAC1203-0491J	4.91 ± 5%	>18	>1	192,5	>45
ZAC1203-0638J	6.38 ± 5%	>18	>1	230	>50

This chart is a reference guide for the most common required values at working frequency of 125 kHz. Any other inductance value at LF or tighter tolerances can be provided. Please contact our sales department for any inquiry.

L and Q factor measured at 125 kHz, 1 Vac.

Sensitivity measured with Helmholtz coils H=8.36 App/m @125 kHz. Contact us for measurement specification.

SRF: Self Resonant Frequency of the coil.