

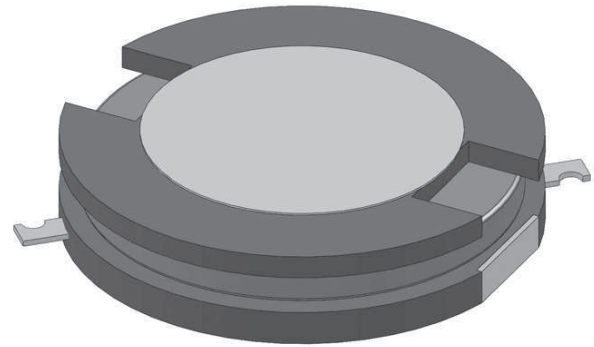
# ZAC1203

## SMD Z AXIS AIR COIL Low Profile

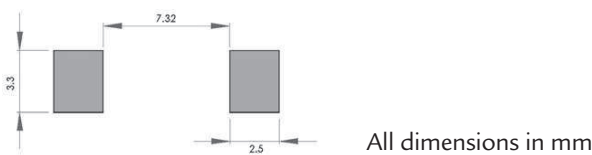
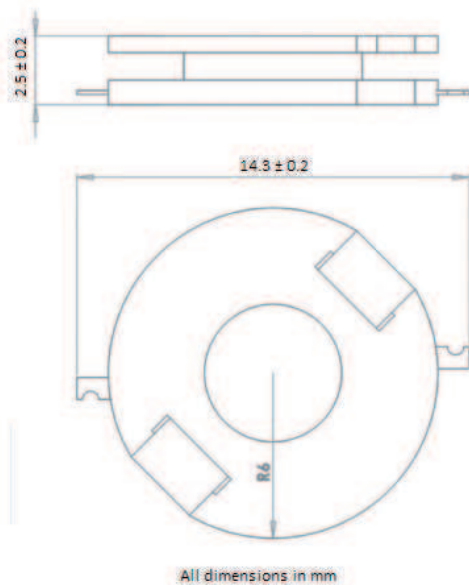
14.3x12x2.5 mm (2.38 mH – 6.38 mH)

### 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



### Dimensions and recommended pad layout



### Applications

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

### 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 124 kHz.

### Electrical specifications

P/N	L (mH)	Q	SRF (kHz)	RDC (Ω) max.	Sensitivity (mVpp/App/m)
ZAC1203-0238J	2.38 ± 5%	>18	>1.8	93	>30
ZAC1203-0491J	4.91 ± 5%	>18	>1.2	192,5	>45
ZAC1203-0638J	6.38 ± 5%	>18	>1	2,31	>50