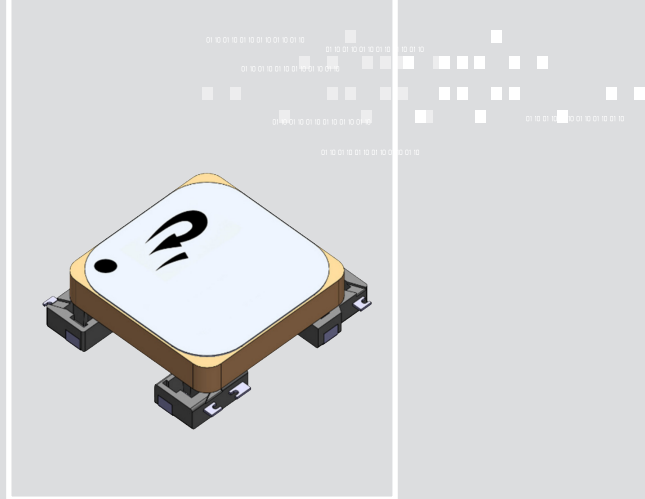


# 3DC12AOI

## SMD 3D Coil AOI

14.1x12.1x3.4mm

3-AXIS TRANSPONDER INDUCTORS (3DCOILSTM)



### APPLICATIONS

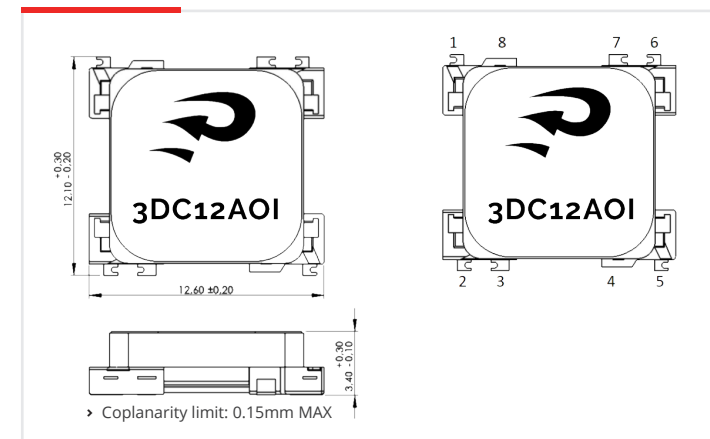
- › Automotive Passive keyless entry systems
- › Automotive RTPMS with wake up functions.
- › Industrial logistics and control.
- › Access control.
- › Tracking devices.

## 01 CHARACTERISTICS

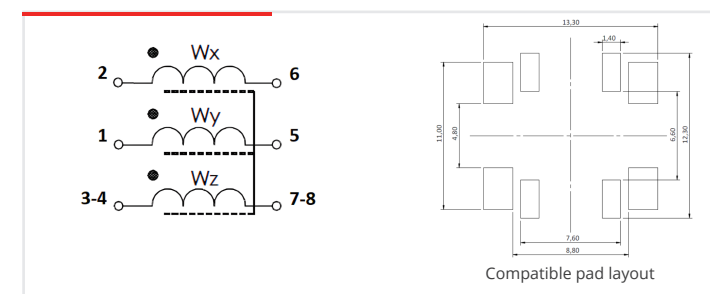
- › Size 14.1x12.1x3.4 mm
- › Passive inductive receiver
- › 3D Magnetic field sensitive
- › Working frequency: 125 kHz
- › Operating temperature: -40 °C to +85 °C
- › Storage temperature: -40 °C to +85 °C.

## 02 DIMENSIONS

### DIMENSIONS AND RECOMMENDED PAD-LAYOUT (mm)



### ELECTRICAL DIAGRAM



### ELECTRICAL SPECIFICATIONS

Code	L <sub>x,y,z</sub> nom (mH)	Q <sub>x,y,z</sub> min	f (kHz)	SRF <sub>x,y</sub> (kHz) Min	SRF <sub>z</sub> (kHz) Min	DCR <sub>x</sub> (Ohm) Max	DCR <sub>y</sub> (Ohm) Max	DCR <sub>z</sub> (Ohm) Max	Sensit. <sub>x,y,z</sub> (mV/nT) Min
3DC12AOI-0675G	6.75/6.75/13.2	23/22/17	125	300	300	108	121	330	94