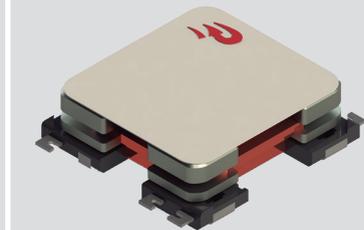


## 3DV09

## SMD 3D Coil

9.5x9.5x3.2mm

Rx EM MOTION TRACKING SENSORS



## FEATURES

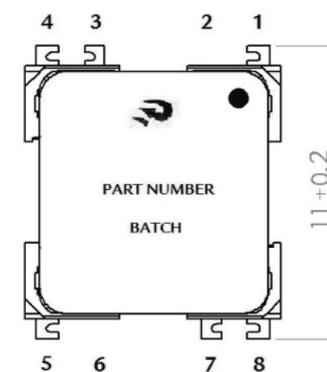
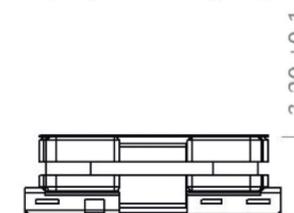
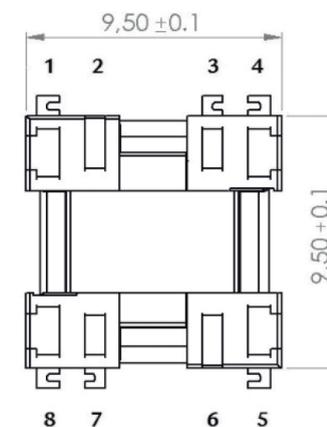
Electromagnetic motion tracking system Works by using one low frequency isotropic magnetic field generator and one or several isotropic 3D magnetic sensors. 3D coils have huge flexibility in terms of customization and setup to fulfill the application needs or environment changes. Size of this coil makes it suitable in several applications where reduced size is a must.

## 01 CHARACTERISTICS

- › Size 9.5x9.5x3.2 mm
- › SMD solution
- › Suitable for AOI
- › Inductance range: 2-20 mH
- › Labelled to allow P&P operations
- › Sensitivity over 9.0 mV/A/m.

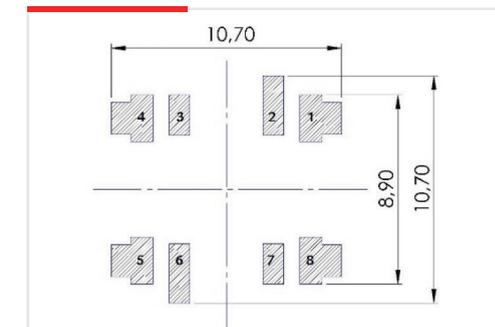
## 02 DIMENSIONS

## DIMENSIONS (mm)

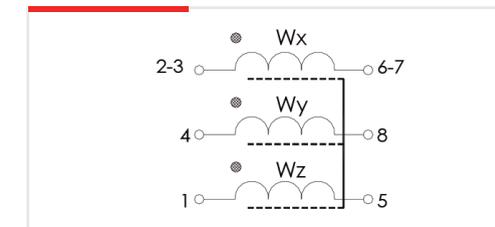


› Pins coplanarity 0.1 mm

## RECOMMENDED PAD-LAYOUT



## ELECTRICAL DIAGRAM



## ELECTRICAL SPECIFICATIONS | 3DCV9-A-S0500J

L x,y,z (mH)	5(xy)/16(z)
Q min	3.0
f(kHz)	20
SRFx,y (kHz) Min	250
SRFz (kHz) Min	500
DCRx (Ohm) Max	192.5
DCRy (Ohm) Max	209
DCRz (Ohm) Max	330.1
Sensitivity (mV/A/m) Min (*)	9.0

(\*) Ask for sensitivity test set up and recommendations