

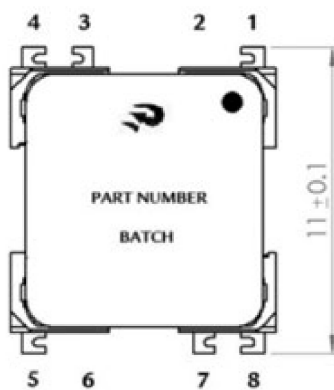
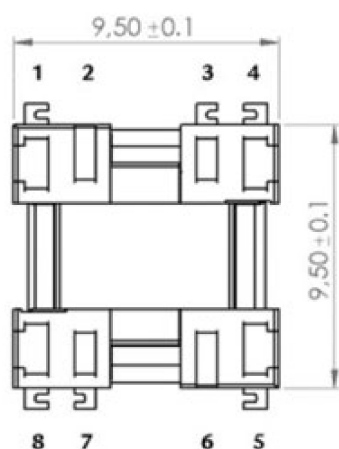
# 3DC09LP

SMD 3D Coil 9.5x9.5x3.1 mm

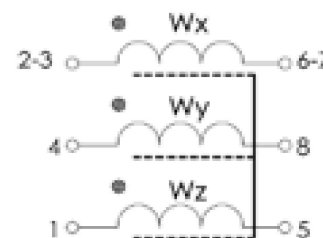
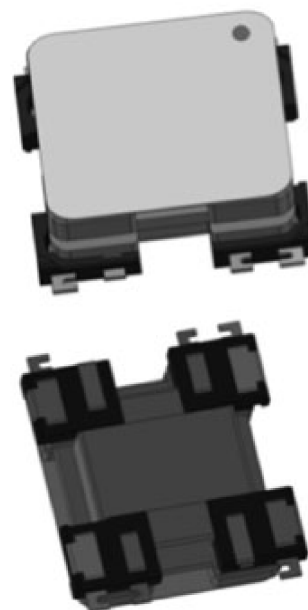
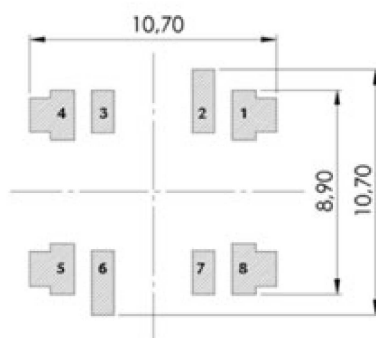
## Characteristics

- 3 coils in one component, oriented in the 3 space axes with full functionality.
- Allows Automatic Optical Inspection.
- Improved sensitivity for X and Y axes.
- Q factor improved for Z axis.
- Suitable for automotive Key Less Entry applications with miniaturized designs.
- The inductivity in each axis can be customized to achieve customer requirements.

## Dimensions and recommended pad layout



All dimensions in mm



Pins coplanarity 0.10mm

## Electrical specifications

Code	L x,y,z (mH)	Qx Min	Qy Min	Qz Min	f (kHz)	SRFx,y (kHz) Min	SRFz (kHz) Min	DCR x,y,z (Ω) Max	Sensitivity x,y (mVpp/ App/m) Min	Sensitivity z (mVpp/ App/m) Min	Length (mm)	Width (mm)	Height (mm)
3DC09LP-0720J	7.2	18	15	25	125	300	900	220	80	35	9.5	9.5	3.1

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. Also can be supplied different inductance values in the different winding axis. Please contact our sales department for any inquiry.

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

SRF: Self Resonant Frequency of the coil.