

New

3DC11EM

SMD Epoxy Molded 3D Coil

11.8x11.8x3.35mm

3-AXIS TRANSPONDER INDUCTOR (3DCOILS™)



FEATURES

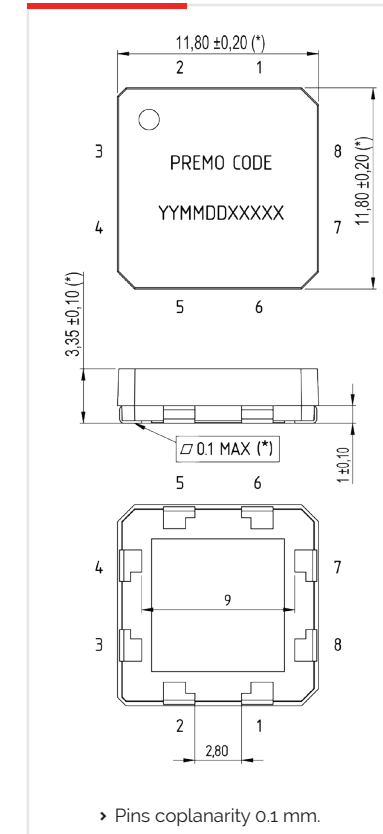
3D coil epoxy encapsulated with higher performance and lower profil. Newer designs in KES and mobile applications require smallest sizes in this passive component and still a long reading distance together with higher reliability. 3DC14EM fulfills the requirements for most PEPS systems in the market.

01 CHARACTERISTICS

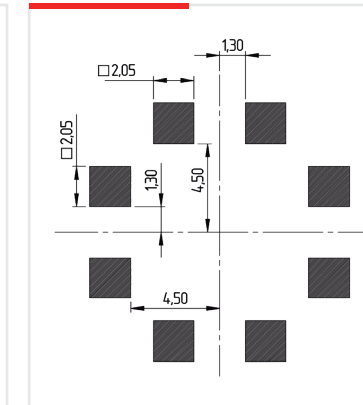
- › Size 11.8x11.8x3.35 mm
- › SMD solution
- › Suitable for AOI
- › High stability in temperature (-40 °C to +85 °C)
- › P&P operations allowed
- › Same Quality factor in the three axis.

02 SPECIFICATIONS

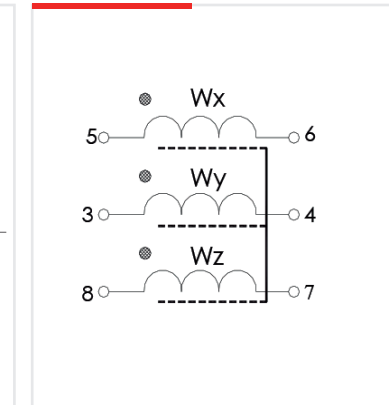
DIMENSIONS (mm)



RECOMMENDED PAD-LAYOUT



ELECTRICAL DIAGRAM



ELECTRICAL SPECIFICATIONS | 3DC11EM-0720J

Lx,y,z nom (mH)	7.2 / 7.2 / 9
Qx,y,z min	30
f(kHz) Min	125
SRFx,y (KHz) Min	350
SRFz (KHz) Min	650
DCRx (Ohm) Max	82.5
DCRy (Ohm) Max	88
DCRz (Ohm) Max	192.5
Sensitivity x,y,z (mV/A/m) Min (*)	80 _{xy} / 45 _z

(*) Ask for sensitivity test set up and recommendations