

New

3DC06EM

SMD Epoxy Molded 3D Coil

7.9x7.9x2.45mm

3-AXIS TRANSPONDER INDUCTOR (3DCOILS™)



FEATURES

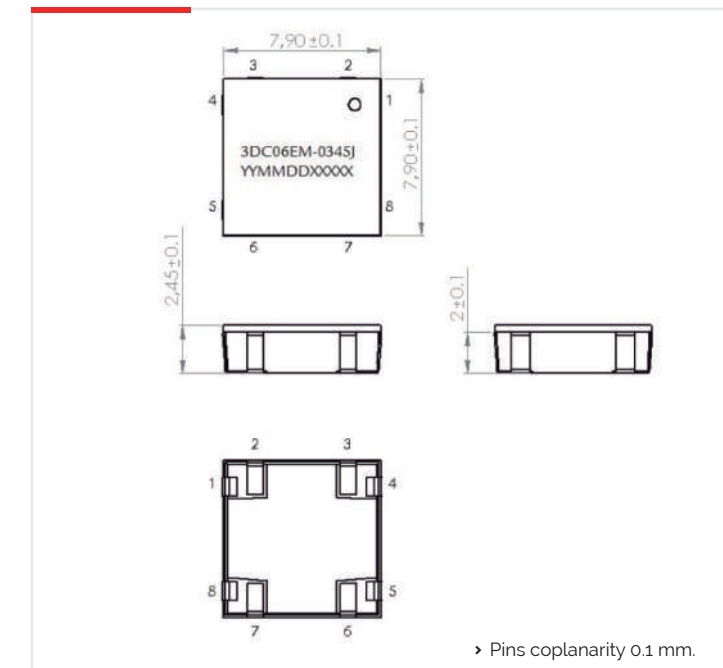
Smallest 3D coil in the market epoxy encapsulated. Newer designs in KES and mobile applications require smallest sizes in this passive component and still a long reading distance together with higher reliability. 3DCo6EM offer upgraded possibilities due to the extra protection that the Epoxy molding gives.

01 CHARACTERISTICS

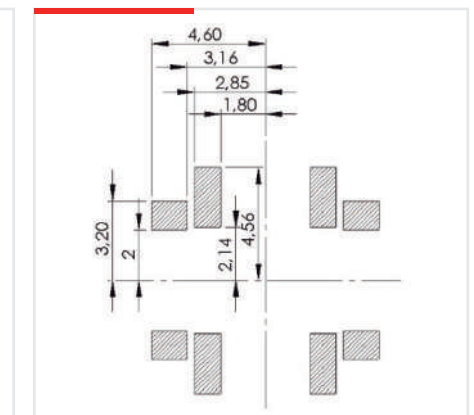
- › Size 7.9x7.9x2.45 mm
- › SMD solution
- › Suitable for AOI
- › High stability in temperature (-40 °C to +85 °C)
- › P&P operations allowed
- › Same sensitivity in the three axis.

02 SPECIFICATIONS

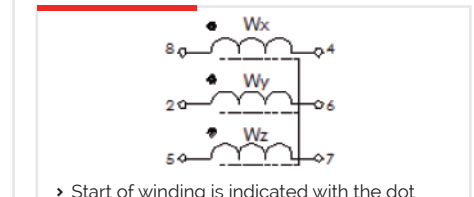
DIMENSIONS (mm)



RECOMMENDED PAD-LAYOUT



ELECTRICAL DIAGRAM



ELECTRICAL SPECIFICATIONS | 3DC06EM-S0345J

Lx,y,z nom	3.45 / 3.45 / 10.5 mH
Qx,y,z nom	12/12/20
f (kHz)	125
SRFx,y (KHz) Min	500
SRFz (KHz) Min	750
DCRx (Ohm) Max	140
DCRy (Ohm) Max	150
DCRz (Ohm) Max	345
Sensitivity x,y,z (mV/A/m) Min (*)	30

(*) Ask for sensitivity test set up and recommendations