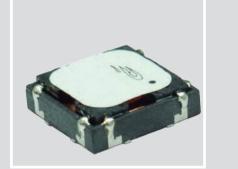
New

3DC14S

3D Coil cap adaptor

13.25x13.55x4.05mm (2.36-7.2mH)

3-AXIS TRANSPONDER INDUCTOR (3DCOILS™)





FEATURES

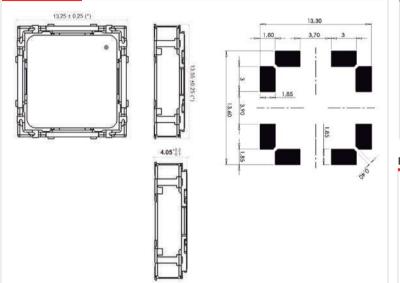
Three axis coil suitable for Surface Mountable according market standards. Very good electrical performance and stability in temperature. A very good solution for Keyless Go and Keyless entry systems.

CHARACTERISTICS

- > 3 coils in one component, oriented in the 3 space axes with full functionality
- > Allows Automatic Optical Inspection
- High sensitivity (60mV/A/m)
- > Available with different inductance values
- > Very stable electrical properties in full operational operative range (-40°C +85°C)
- > Max. Operating Temperature: +85°C
- > Suitable for Pick&Place SMD assembly
- > Options with protective foam against shocks also available

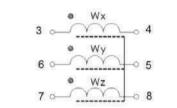
02 SPECIFICATIONS

DIMENSIONS AND RECOMMENDED PAD-LAYOUT (mm)



PINOUT

ELECTRICAL DIAGRAM



ELECTRICAL SPECIFICATIONS

Code	Lx,y,z (mH) nom	Qx,y,z nom	f(kHz)	SRF x,y (KHz) Min	SRFz (KHz) Min	DCRx (Ohm) Max	DCRy Max	DCRz Max	Sensit. x,y (mV/A/m) Min (*)	Sensit. z (mV/ A/m)Min (*)
3DC14S-0236J	2.36/2.36/3.4 ±5%	33/27/20	125	500	850	43	47	152	55	40
3DC14S-C-0236J	2.36/2.36/3.4 ±5%	33/27/20	134	500	850	43	47	152	55	40
3DC14S-0470J	4.7 / 4.7 / 7.2 ±5%	40/33/30	125	450	750	70	75	187	80	50
3DC14S-C-0470J	4.7 / 4.7 / 7.2 ±5%	40/33/30	134	450	750	70	75	187	80	50
3DC14S-0630J	6.3 / 6.3 / 7.8 ±5%	40/33/30	134	380	750	86	80	140	90	40
3DC14S-0720J	7.2/7.2/7.2 ±5%	44/36/33	125	300	500	95	102	258	95	60
3DC14S-C-0720J	7.2/7.2/7.2 ±5%	44/36/33	134	300	500	95	102	258	95	60

This chart is a reference guide for the most common required values at working frequency of 125kHz/134kHz. Any other inductance value at LF or tighter tolerances can be provided. Please contact our sales department for any inquiry. Sensitivity measured with Helmholtz coils H=8.36 App/m @125kHz and H=8.63 App/m @134kHz. Contact us for measurement specification.

SRF: Self-resonant frequency of the coil