New

3DTX10

3D Coil Cube receiver sensor for VR magnetic tracking system 17.4x15.2x13.9 mm (100-200uH)

TX EM MOTION TRACKING ANTENNAS





FEATURES

Three axis magnetic antenna for magnetic tracking sensor systems. Very good performance/size ratio, with isotropic response. Used as receiver in VR/AR applications (gaming, etc.) and motion capture applications. Very low latency compared with other motion tracking technologies.

CHARACTERISTICS 01

- > High axis symmetry (X,Y,Z), repeatability (very good isotropy) and accuracy (up to 5% tolerances)
- > Magnetic Sensitivity: 3.8 mVpp / App / m @20kHz.
- > Mechanical Drop & Vibration compliant.
- > Mounting method: SMT (Taped & Reeled).
- > -20°C to 85°C Temperature Performance.
- > Multiple frequencies available (typ 60kHz, 125kHz, 134kHz).
- > According industry and safety standards: UL94-V0.



ELECTRICAL SPECIFICATIONS

Code	Lx,y,z nom (µH)	Qx,y,z min
3DTX10-A-0100J	140 / 140 / 104	2.6/2.6/2.0

This chart is a reference guide for the most common required values at working frequency of 20kHz. 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=11.37 App/m @20kHz. Contact us for measurement specification.

20

6.7

6.9

6.5

SRF: Self-resonant frequency of the coil

3DTX10

GENERAL CATALOGUE 2018 PREMO

3.5

