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.

**FEATURES**

- High axis symmetry (X,Y,Z), repeatability (very good isotropy) and accuracy (up to 5% tolerances)
- Magnetic Sensitivity: 2.6 mVpp / App / m @20kHz.
- Mechanical Drop & Vibration compliant.
- Mounting method: SMT (Taped & Reeled).
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  -20°C to 85°C Temperature Performance.
- Multiple frequencies available (typ 60kHz, 125kHz, 134kHz)
- According industry and safety standards: UL94-V0
- High X/Y/Z symmetry and repeatability.

**CHARACTERISTICS**

- New 3D Coil Cube receiver sensor for VR magnetic tracking system
- 16.5x14.8x11.8 mm (50-200uH)
- TX EM MOTION TRACKING ANTENNAS

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**ELECTRICAL SPECIFICATIONS**

- Code: 3DTX08-A-0060J
- **Dimensions** (mm):
  - Lx,y,z nom: 100 / 100 / 78
  - Qx,y,z min: 1.5
  - f (kHz): 20
  - SRF x,y,z (MHz) Min: 2.2
  - DCRx (Ohm) Max: 5.4
  - DCRY (Ohm) Max: 5.6
  - DCRz (Ohm) Max: 5.6
  - Sensitivity x,y,z (mV/A/m) Min: 2.2

- General Tolerances unless indicated ±0.1mm

- Pins Coplanarity 0.15mm

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**Sensitivity** measured with Helmholtz coils H=11.37 App/m @20kHz. Contact us for measurement specification.

**SRF:** Self-resonant frequency of the coil.