




## SpinTJ Half Bridge Sensors

### Key Features:

- Linear and bipolar response
- Superior field sensitivity of 2-4 mV/V/Oe
- Medium sensing range of  $\pm 20$  Oe
- High detectability of 3 nT @ 10 Hz and 100 pT @ 1 kHz
- On-board ESD protection for packaged sensors
- Compact packaging and electrical configurations

### Standard Products:

Part Number	Type of Sensor	Package Form	Picture
STJ-401	Half Bridge Sensor	Bare Die	
STJ-440	Half Bridge Sensor	SOIC-8	
STJ-500	Half Bridge Sensor	DIP-8	

**Applications:** ultralow field sensing (nT), magnetic imaging, detection of magnetic particles, magnetic spectrum analyzer, NMR, electronic compass and navigation, spintronics immunoassay, smart dusts, security and military applications, magnetic encoders, position and angular sensors, current sensors, counterfeit detection, medical devices (hearing aids, microsurgery, drug delivery, etc.), nanotechnology research.