

SpinTJ Micro Sensors

Key Features:

- Linear and bipolar response
- Wide sensing range of ± 50 Oe
- Superior field sensitivity of 0.5-1.5%/Oe
- High detectability of 50 nT @ 100 Hz and 5 nT @ 10 kHz
- Active areas as small as 1 x 2 microns
- On-board ESD protection for packaged sensors
- Small silicon die size of 1.9mmx1.9mmx0.3mm
- Compact packaging and electrical configurations
- Optional sensor polishing allows an approach distance of < 5 microns (0.002")

Standard Products:

Part Number	Type of Sensor	Package Form	Picture
STJ-001	Micro Sensor	Bare Die	
STJ-010	Micro Sensor	Short Probe	
STJ-020	Micro Sensor	Long Probe	
STJ-030	Micro Sensor	SMA Probe	
STJ-100	Micro Sensor	DIP-8	

Applications: scanning magnetic microscopy, detection of magnetic nanoparticles, counterfeit detection, smart dusts, magnetic encoders, spintronics immunoassay, security and military applications, medical devices, high precision position and angular sensors, current sensors, nanotechnology research.