

Hxy 2mm ESD Magnetic Field Antenna Vector Probe Up to 6GHz

3rd Generation Broadband Magnetic Field probe X/Y Direction



H-Field broadband ESD vector probe for near field analysis designed for low insertion loss with high resolution detection. Single element antenna mounted onto an advanced substrate using custom interfaced connector configuration. Designed for use with the APREL EM-ISight-ESD solution, includes voltage isolation at the tip for 8kV applications.

Frequency Range	Up to 6GHz
Near-Field Coupling Loss	< -35dBm
Linearity	+/- 0.1dBm
Plane Wave Field Sensitivity	0.01 W/cm ²
Cross Detection	0.01mm
Immunity Field Equivalent @ 1cm Separation	1W Probe Power = 97.4 V/m
Key Dimensions	Sensor Size = 2mm Detector Offset = 0.1mm Substrate Width = 2.2mm Sensor Thickness = 0.175mm Sensor Length = 40mm Probe length = 223mm Isolation = Shielded coaxial transmission line for high electric field rejection Minimum DUT Offset From Sensor = 0.2mm
Connector Type	SMA
Applications	IEC 61000-4 Pre-Compliance (emissions/susceptibility) Wireless Modules/De-Sense (receiver circuits) Medical Devices Automotive and Aviation Quality Control, Production Audit
Calibration	Near-Field – ESD Air/Immunity



Substrate
2.0mm

