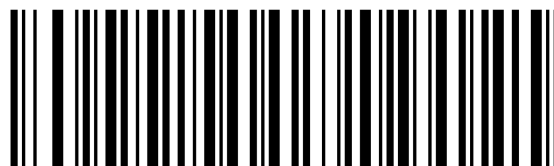


VIVALDI-X

Ultra-Wideband PCB Tapered Slot Antenna



X004NNI2SN

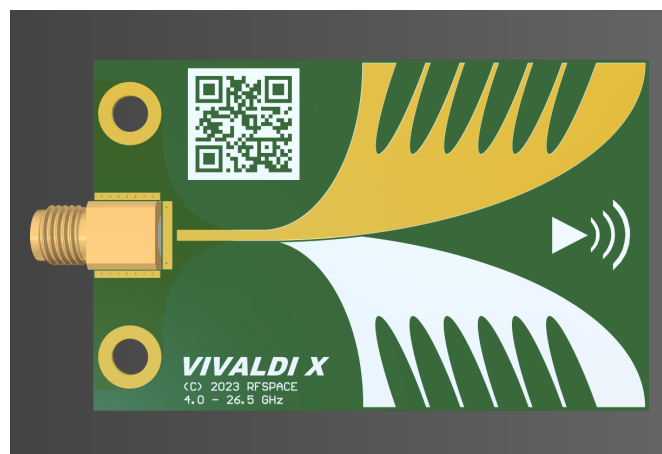
RFSPACE Vivaldi-X
New

Features:

- Broad frequency range of 4.0 GHz to 26.5 GHz
- Linear polarized with excellent gain over entire range
- Low VSWR
- Clean impulse response
- Very low loss RO4350B™ substrate
- Low cost
- SMA output connector
- 10 Watt CW

Applications:

- Ground Based Synthetic Aperture Radars (GB-SAR) 17.1-17.3 GHz
- Radio communications
- Signals and communications Intelligence (SIGINT, COMINT, ELINT)
- Amateur radio 3cm band. 10.368 GHz @ 9.5dBi
- Broadband Software Defined Radio (SDR)
- EMC testing
- Spectrum analysis
- Direction finding



Description:

The RFSPACE VIVALDI-X is a wideband antenna optimized for high gain, low VSWR and broadband response. The matching network has been optimized for best return loss and a clean impulse response. The Vivaldi-X is ideal as a wideband transmit or receive antenna for wireless communications.

Specifications:

Gain: 7dBi @ 8.0 GHz
9.5dBi @ 10.0 GHz
10dBi @ 15.0 GHz
7dBi @ 24.0 GHz

VSWR: 4000 MHz - 26500 MHz <3.0:1 Typ.

Power Handling: 10 Watts

Aperture width: 37 mm

Length: 58mm

Connector: 50Ω SMA edge mount

