



X00224MGOL

TSA800

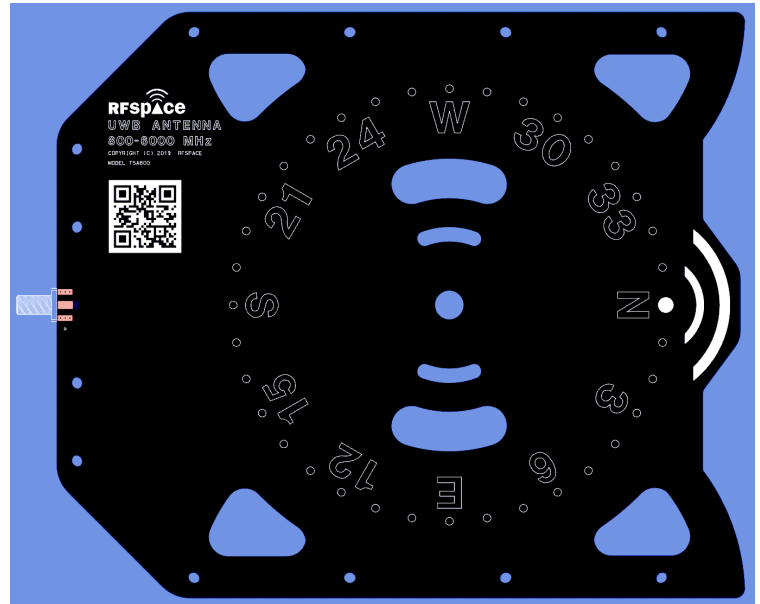
Ultra-Wideband PCB Tapered Slot Antenna

Features:

- Broad frequency range of 800 MHz to 6 GHz+
- Linear polarized with excellent gain over entire range
- Low VSWR over full range with no resonances
- Clean impulse response
- Very low loss substrate
- Individually calibrated and tested
- Low cost
- Gold plated SMA connector
- 10 Watt CW

Applications:

- Ground Penetrating Radars (GPR)
- Radio communications LTE,WIMAX,WIFI,PCS,UWB,GSM,HDTV,IoT
- Signals and communications Intelligence (SIGINT, COMINT, ELINT)
- Pulse Radar
- Broadband Software Defined Radio (SDR) Antenna
- EMC testing
- Spectrum analysis
- Direction finding



Description:

The RFSPACE TSA800 is a PCB, wideband antenna optimized for high gain, low VSWR and broadband response. The matching network has been optimized for best VSWR and a clean impulse response. Every TSA800 antenna is individually tested. The TSA800 is ideal as a wideband transmit or receive antenna for today's wireless communications.

Specifications:

- Gain:**
- 4.5 dBi @ 0.9 GHz
 - 5.5 dBi @ 1.3 GHz
 - 8.8 dBi @ 2.2 GHz
 - 8.8 dBi @ 3.0 GHz
 - 8.4 dBi @ 4.3 GHz
 - 7.2 dBi @ 5.1 GHz
 - 6.8 dBi @ 5.2 GHz
 - 6.0 dBi @ 5.8 GHz
 - 7.8 dBi @ 6.0 GHz

- Beam width:** 60 Degrees (Mid Band Typ.)
VSWR: 800 MHz - 8000 MHz <2.0:1 Typ.
Power Handling: 10 Watts
Aperture width: 190 mm
Length: 230 mm
Weight: 0.3 lbs
Connector: 50Ω SMA edge mount
MSPR: \$39 Qty 1-5, \$35 Qty 5+

