

TSA900-12000

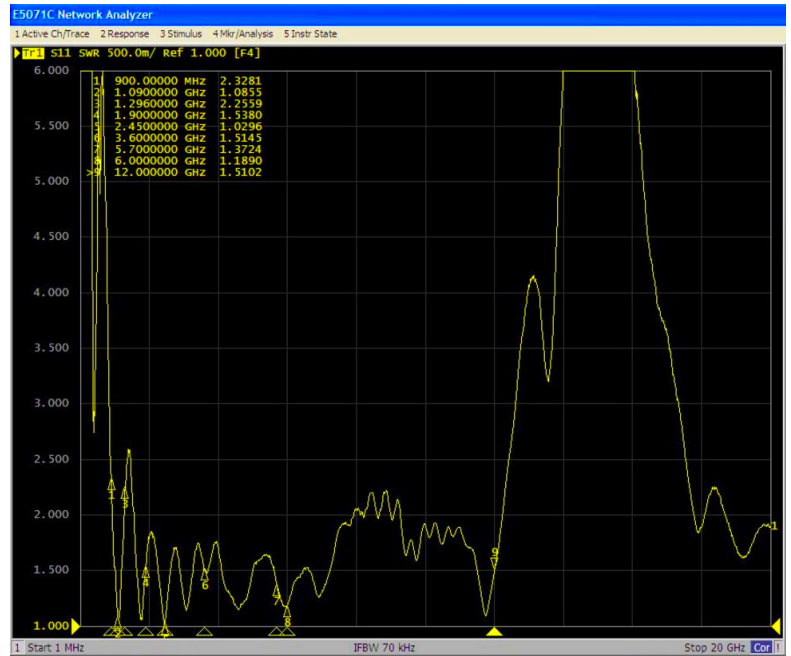
Ultra-Wideband PCB Tapered Slot Antenna

Features:

- Broad frequency range of 900 MHz to 12 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
- SMA output 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 TSA900-12000 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 TSA900-12000 antenna is individually tested. The TSA900-12000 is ideal as a wideband transmit or receive antenna for today's wireless communications.

Specifications:

- Gain:** 5.5dBi @ 1.1 GHz Typ.
8.0dBi @ 2.7 GHz Typ.
5.0dBi @ 6.0 GHz Typ.
- Beam width:** 60 Degrees (Mid-Band Typ.)
- VSWR:** 900 MHz - 1400 MHz <2.5:1 Typ.
1400 MHz - 12000 MHz <2.0:1 Typ.
- Power Handling:** 10 Watts
- Aperture Width:** 165 mm
- Length:** 230 mm
- Weight:** 0.3 lbs
- Connector:** 50Ω SMA edge mount
- MSPR:** \$39 Qty 1-5
\$35 Qty 5+

