

UWB5

Ultra-Wideband Tapered Slot Antenna

Features:

- Broad frequency range of 300 MHz to 6 GHz+
- Linear polarized with excellent gain over entire range
- Low VSWR over full range with no resonances
- Clean impulse response
- 80/20 T-slot frame (1010) for easy mounting
- Individually calibrated and tested
- Low cost
- Gold plated right angle 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)
- UHF Satcom
- Pulse Radar
- Broadband Software Defined Radio (SDR) Antenna
- EMC testing
- Spectrum analysis
- Direction finding

Description:

The RFSPACE UWB5 antenna is an aluminum, 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 UWB-5 antenna VSWR is individually tested, adjusted and plotted. The UWB-5 is ideal as a wideband transmit or receive antenna for today's wireless communications. Antenna is designed for lab or indoor use.

Specifications:

- Gain:** 10 dBi @ 1.5 GHz
13 dBi @ 3.0 GHz
14 dBi @ 6.0 GHz
- Beam width:** 60 Degrees (Mid Band Typ.)
- VSWR:** 315 MHz - 500 MHz <2.0:1 Typ.
500 MHz - 6000 MHz <1.5:1 Typ.
- Power Handling:** 10 Watts
- Aperture width:** 508 mm
- Length:** 700 mm
- Weight:** 0.3 lbs
- Connector:** 50Ω right angle SMA
- Mounting:** 1.75 inch dual saddle clamp
- MSPR:** \$649 Qty 1-5
\$599 Qty 5+

