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+

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