

Precision Coaxial Connectors

Microwave Town's RF connectors are designed for precision performance level. Our connectors are built in male, female, field replaceable or receptable.

Connectors available in:

- 1.85mm (DC-65GHz, VSWR<1.25:1)
- 2.4mm (DC-50GHz, VSWR<1.15:1)
- 2.92mm (DC-40GHz, VSWR<1.15:1)
- SSMA (DC-40 GHz, VSWR<1.20:1)
- SMA (DC-27GHz, VSWR<1.15:1)
- TNC (DC-18GHz, VSWR<1.15:1)
- Type N (DC-18GHz, VSWR<1.15:1)



Precision Coaxial Adapters

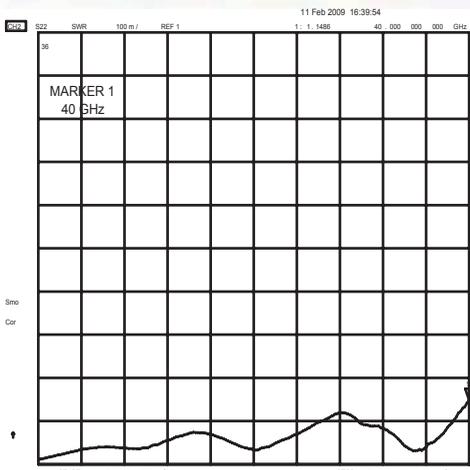
Microwave Town offers instrument grade coaxial adapter covers between DC-65GHz. They are designed for the most common commercial and military applications.

In Series:

- 1.85mm (DC-65GHz, VSWR<1.25:1)
- 2.4mm (DC-50GHz, VSWR<1.20:1)
- 2.92mm (DC-40GHz, VSWR<1.20:1)
- 3.5mm (DC-33GHz, VSWR<1.15:1)
- SSMA (DC-40GHz, VSWR<1.20:1)
- SMA (DC-27GHz, VSWR<1.15:1)
- TNC (DC-18GHz, VSWR<1.15:1)
- Type N (DC-18GHz, VSWR<1.15:1)

Between Series:

- 2.4mm - 1.85mm, 2.92mm, 3.5mm, SMA, SSMA, Type N
- 2.92mm - 1.85mm, 3.5mm, APC 7mm, SMA, SSMA, Type N
- 3.5mm - 1.85mm, SMA, Type N
- SMA - TNC, Type N, SSMA
- TNC - Type N



Waveguide Components

Microwave Town offers a wide variety of high quality, high precision waveguide components, from DC to 300GHz. Our millimeter wave products are well designed and widely used in both military and commercial applications. It's our focus to meet your stringent specifications and requirements, and our commitments to provide the highest quality products.

Straight Sections & Twists

Frequency Range 1.45 to 110GHz, WR510 to WR10



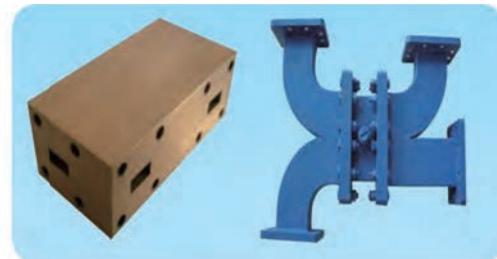
E & H Bends

Frequency Range 1.45 to 110GHz, WR510 to WR10



Slot Hybrid Combiners / Dividers

Up to 40GHz, 22dB min Isolation



Waveguide to Coaxial Adapters

Endlaunch, Right-Angle, Double Ridge, Staircase 60GHz



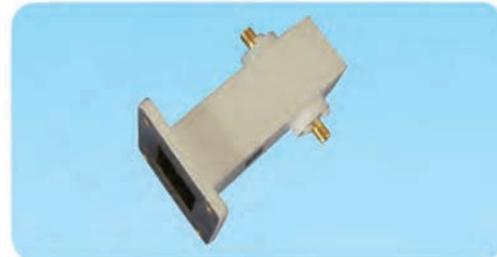
Terminations

Low, Mid & High Power, up to 110GHz & 3000 watts



Dual Circular Polarizer

Isolation 20dB min, Type N, 2.92mm & SMA Connectors



Waveguide Tees

Single, Double & Magic Tees



Couplers

Directional & Cross Directional Coupler, 3-40dB



Double Ridge Directional Coupler

3-60dB Coupling, 22dB min Directivity, up to 40GHz



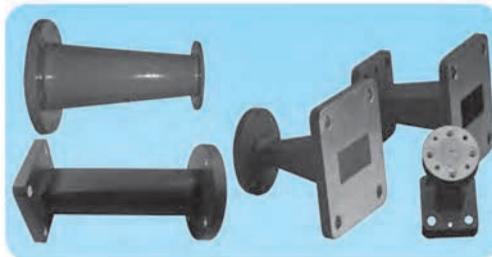
Attenuators

Fixed & Variable Attenuators, 6/10/20/35dB



Transitions

Rectangular, Circular and Double Ridge Transitions



Rotary Joint

2.60-40GHz, 0.2-1dB Insertion Loss



Antenna Serie

Standard Gain Horn Antennas



Wideband Double Ridge Horn Antennas



Coaxial Dual-Line Polarization Horns



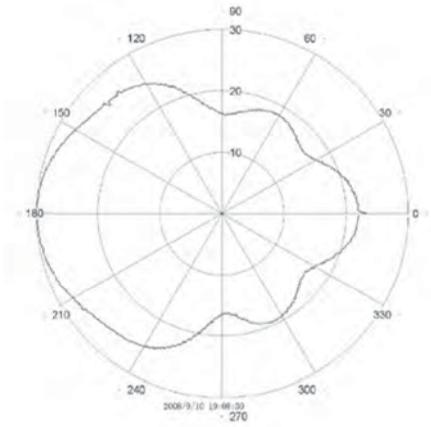
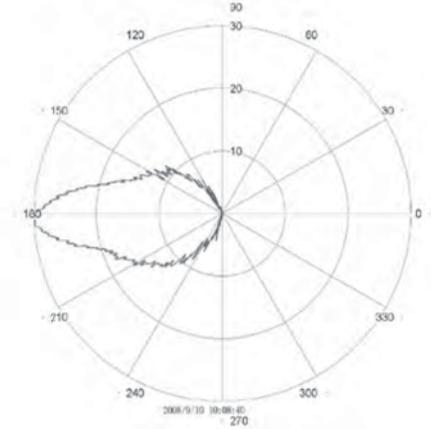
Cassegrain Antennas



Parabolic Antennas



Lens Antennas



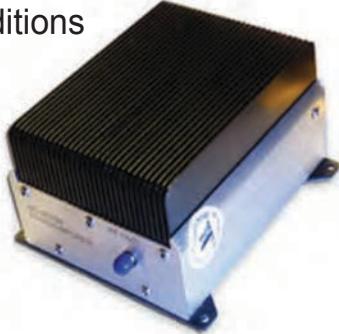
Calibration Kits - Mechanical / Electronic



PN	Freq.	Connector	Open	Short	Load VSWR	Adapter VSWR
MTC31101	DC-18GHz	Type N 50Ω	$\Delta\theta \leq \pm 1.5^\circ$	$\Delta\theta \leq \pm 1.5^\circ$	≤ 1.055	≤ 1.083
MTC20204	DC-3GHz	Type N 75Ω	$\Delta\theta \leq \pm 1.6^\circ$	$\Delta\theta \leq \pm 1.2^\circ$	≤ 1.04	≤ 1.04
MTC31111	DC-18GHz	7mm	$\Delta\theta \leq \pm 0.5^\circ$	$\Delta\theta \leq \pm 0.5^\circ$	≤ 1.04	
MTC31121	DC-26.5GHz	3.5mm	$\Delta\theta \leq \pm 1.5^\circ$	$\Delta\theta \leq \pm 1.5^\circ$	≤ 1.055	≤ 1.106
MTC31123	DC-40GHz	2.4mm	$\Delta\theta \leq \pm 1.5^\circ$	$\Delta\theta \leq \pm 1.5^\circ$	≤ 1.105	≤ 1.119
MTC31128	DC-67GHz	1.85mm	$\Delta\theta \leq \pm 2.0^\circ$	$\Delta\theta \leq \pm 2.0^\circ$	≤ 1.15	≤ 1.25

RF Power Amplifiers

Microwave Town's completely solid state microwave power amplifier features high efficiency, high output power and wide dynamic range. It uses advanced microwave device technology and provides high reliability and ruggedness for our customer. Functions including over current and over temperature protection to guarantee safety when working in various harsh conditions



- Ultra Broadband (up to 40GHz)
- High Power and Efficiency (up to 200 watts)
- High Reliability and Ruggedness
- Built-in Control, Monitoring & Protection Circuits
- Available in Both Modules and Systems

Coaxial Components

Fixed Attenuators



Variable Attenuators



Millimeter Wave Attenuators



Directional Couplers



Rotary Joints



Filters - Cavity, Highpass, Lowpass, Bandpass



Multiplexers



Terminations



Power Dividers

