Microwave Interconnect Solutions

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 commerical 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

www.MicrowaveTown.com / sales@microwavetown.com
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.
Antenna Series

**Standard Gain Horn Antennas**

**Wideband Double Ridge Horn Antennas**

**Coaxial Dual-Line Polarization Horns**

**Cassegrain Antennas**

**Parabolic Antennas**

**Lens Antennas**

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**Calibration Kits - Mechanical / Electronic**

<table>
<thead>
<tr>
<th>PN</th>
<th>Freq.</th>
<th>Connector</th>
<th>Open</th>
<th>Short</th>
<th>Load VSWR</th>
<th>Adapter VSWR</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTC31101</td>
<td>DC-18GHz</td>
<td>Type N 50Ω</td>
<td>Δθ≤±1.5°</td>
<td>Δθ≤±1.5°</td>
<td>≤1.055</td>
<td>≤1.083</td>
</tr>
<tr>
<td>MTC20204</td>
<td>DC-3GHz</td>
<td>Type N 75Ω</td>
<td>Δθ≤±1.6°</td>
<td>Δθ≤±1.2°</td>
<td>≤1.04</td>
<td>≤1.04</td>
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<tr>
<td>MTC31111</td>
<td>DC-18GHz</td>
<td>7mm</td>
<td>Δθ≤±0.5°</td>
<td>Δθ≤±0.5°</td>
<td>≤1.04</td>
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<tr>
<td>MTC31121</td>
<td>DC-26.5GHz</td>
<td>3.5mm</td>
<td>Δθ≤±1.5°</td>
<td>Δθ≤±1.5°</td>
<td>≤1.055</td>
<td>≤1.106</td>
</tr>
<tr>
<td>MTC31123</td>
<td>DC-40GHz</td>
<td>2.4mm</td>
<td>Δθ≤±1.5°</td>
<td>Δθ≤±1.5°</td>
<td>≤1.105</td>
<td>≤1.119</td>
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<tr>
<td>MTC31128</td>
<td>DC-67GHz</td>
<td>1.85mm</td>
<td>Δθ≤±2.0°</td>
<td>Δθ≤±2.0°</td>
<td>≤1.15</td>
<td>≤1.25</td>
</tr>
</tbody>
</table>

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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

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