

Microwave Coaxial Connector Technologies

RF Adapter



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FEM analysis for impedance matching

Milling & Plating

Molding & Polishing

Stamping & Soldering

Characterization

Laser, Ultrasonic, Sealing

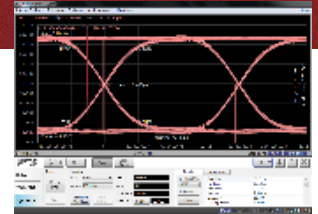
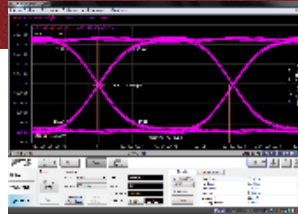


Invented for 5G / Product catalog, 2020 (e2)

Phased Matched Adapters

DC ~ 40/50GHz

SENSORVIEW Phase Matched adapter meets MIL STD 348, we are manufacturing a wide range of adapters within / between series. Matched adapters have the same nominal connector mating reference plane to reference plane length. The connector mating plane is the plane along which two mating connector outer conductors come together. All adapter's phase difference range is ± 2 degree.



Unit [mm]


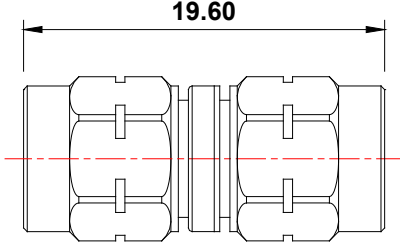

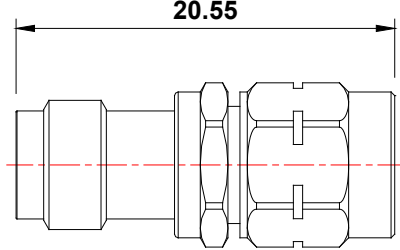

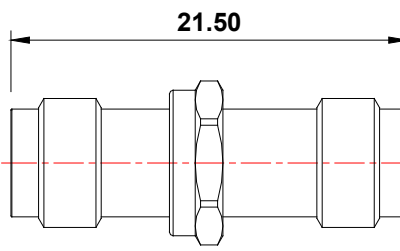

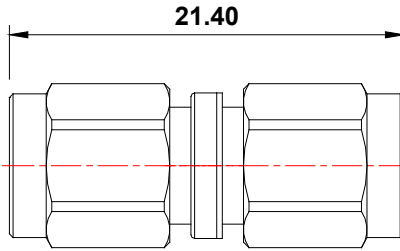

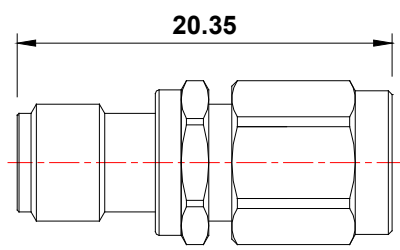

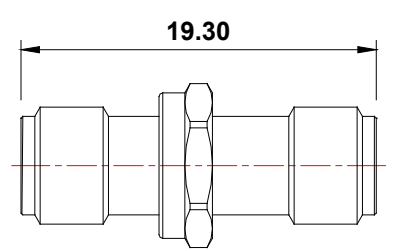
Between Series

Part No. Description	Drawing	Specification
2P4(M)_ST_K(M)01 2.4mm(m) to 2.92mm(m)		Frequency : DC ~ 40GHz VSWR : 1.15 Max Impedance : 50 ohm Insertion loss : 0.15dB Max @ 40GHz Mating cycle : 500 times min.
2P4(M)_ST_K(F)01 2.4mm(m) to 2.92mm(f)		Frequency : DC ~ 40GHz VSWR : 1.15 Max Impedance : 50 ohm Insertion loss : 0.15dB Max @ 40GHz Mating cycle : 500 times min.
2P4(F)_ST_K(M)01 2.4mm(f) to 2.92mm(m)		Frequency : DC ~ 40GHz VSWR : 1.15 Max Impedance : 50 ohm Insertion loss : 0.15dB Max @ 40GHz Mating cycle : 500 times min.
2P4(F)_ST_K(F)01 2.4mm(f) to 2.92mm(f)		Frequency : DC ~ 40GHz VSWR : 1.15 Max Impedance : 50 ohm Insertion loss : 0.15dB Max @ 40GHz Mating cycle : 500 times min.

Phased Matched Adapters DC ~ 40/50GHz

Unit [mm]


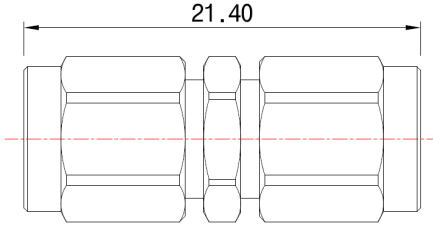

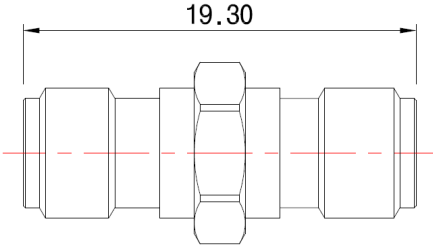
In Series

Part No. Description	Drawing	Specification
<p>2P4(M)_ST_2P4(M)01 2.4mm(m) to 2.4mm(m)</p> 		<p>Frequency : DC ~ 50GHz VSWR : 1.25 Max Impedance : 50 ohm Insertion loss : 0.25dB Max @ 50GHz Mating cycle : 500 times min.</p>
<p>2P4(F)_ST_2P4(M)01 2.4mm(f) to 2.4mm(m)</p> 		<p>Frequency : DC ~ 50GHz VSWR : 1.25 Max Impedance : 50 ohm Insertion loss : 0.25dB Max @ 50GHz Mating cycle : 500 times min.</p>
<p>2P4(F)_ST_2P4(F)01 2.4mm(f) to 2.4mm(f)</p> 		<p>Frequency : DC ~ 50GHz VSWR : 1.25 Max Impedance : 50 ohm Insertion loss : 0.25dB Max @ 50GHz Mating cycle : 500 times min.</p>
<p>K(M)_ST_K(M)01 2.92mm(m) to 2.92mm(m)</p> 		<p>Frequency : DC ~ 40GHz VSWR : 1.15 Max Impedance : 50 ohm Insertion loss : 0.15dB Max @ 40GHz Mating cycle : 500 times min.</p>
<p>K(F)_ST_K(M)01 2.92mm(f) to 2.92mm(m)</p> 		<p>Frequency : DC ~ 40GHz VSWR : 1.15 Max Impedance : 50 ohm Insertion loss : 0.15dB Max @ 40GHz Mating cycle : 500 times min.</p>
<p>K(F)_ST_K(F)01 2.92mm(f) to 2.92mm(f)</p> 		<p>Frequency : DC ~ 40GHz VSWR : 1.15 Max Impedance : 50 ohm Insertion loss : 0.15dB Max @ 40GHz Mating cycle : 500 times min.</p>

Phased Matched Adapters DC ~ 18GHz

Unit [mm]

In Series

Part No. Description	Drawing	Specification
<p>SMA(M)_ST_SMA(M)01 SMA(m) to SMA(m)</p> 	 <p>21.40</p>	<p>Frequency : DC ~ 18GHz VSWR : 1.15 Max Impedance : 50 ohm Insertion loss : 0.12 dB Max @ 18GHz Mating cycle : 500 times min.</p>
<p>SMA(F)_ST_SMA(F)01 SMA(f) to SMA(f)</p> 	 <p>19.30</p>	<p>Frequency : DC ~ 18GHz VSWR : 1.15 Max Impedance : 50 ohm Insertion loss : 0.12 dB Max @ 18GHz Mating cycle : 500 times min.</p>