

1.85mm Product Characteristics¹



The 1.85mm connector was developed for mode free performance to 65 GHz. The 1.85mm connectors mates with the 2.4mm connector (which is used for mode free performance to 50 GHz). 1.85mm Connectors mate with V Connectors²

Impedance:	50 Ohms
Frequency:	DC to 65.0 GHz
VSWR:	1.15 typical to 65 GHz (for our 1401 Precision Series)
Insertion Loss:	0.3 dB max. to 65 GHz
Insulation Resistance:	n / a
Center Conductor Contact Resistance:	2.0 milli Ohms max.
Dielectric Withstanding Voltage @ Sea Level:	1,000 Vrms
RF High Potential Withstanding Voltage @ 5 MHz:	200 Vrms
Power CW:	10 Watts
Coupling Torque:	8 to 10 inch-pounds (0.9 to 1.1 Nm)
Coupling Nut Retention Force:	Not applicable for female connectors. For male connectors the force is 100 lbs (445 N) max. The torque is 18 inch-pounds (1.7 Nm) max.
Temperature Range:	-65°C to +85°C
Environmental Testing:	Meets MIL-PRF-39012 for Corrosion, Vibration, Mechanical Shock, Thermal Shock, Moisture Resistance (paragraphs 3.13, 3.18, 3.19, 3.20, 3.21)

¹Performance listed is typical. Please contact our Sales Team for more information and specifications.

²V is the trademark of Anritsu/Wiltron