



WR51 to 2.92mm Female Waveguide to Coaxial Adapter
UBR180 Flange, Right Angle, TVAC Compatible

Rev 1

Electrical

Frequency Range	14.5-22 GHz
VSWR	1.2 max

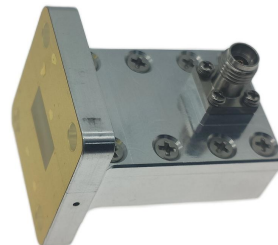
Mechanical

Waveguide Size	WR51
Flange	UBR180
Coax Connector	2.92mm Female
Body Geometry	Right Angle
Waveguide Body	Aluminum, conductive oxidation finish, without painting
Connector Body	Passivated stainless steel
Center Contact	Gold plated beryllium copper
Net Weight	Approx 40g

Environmental

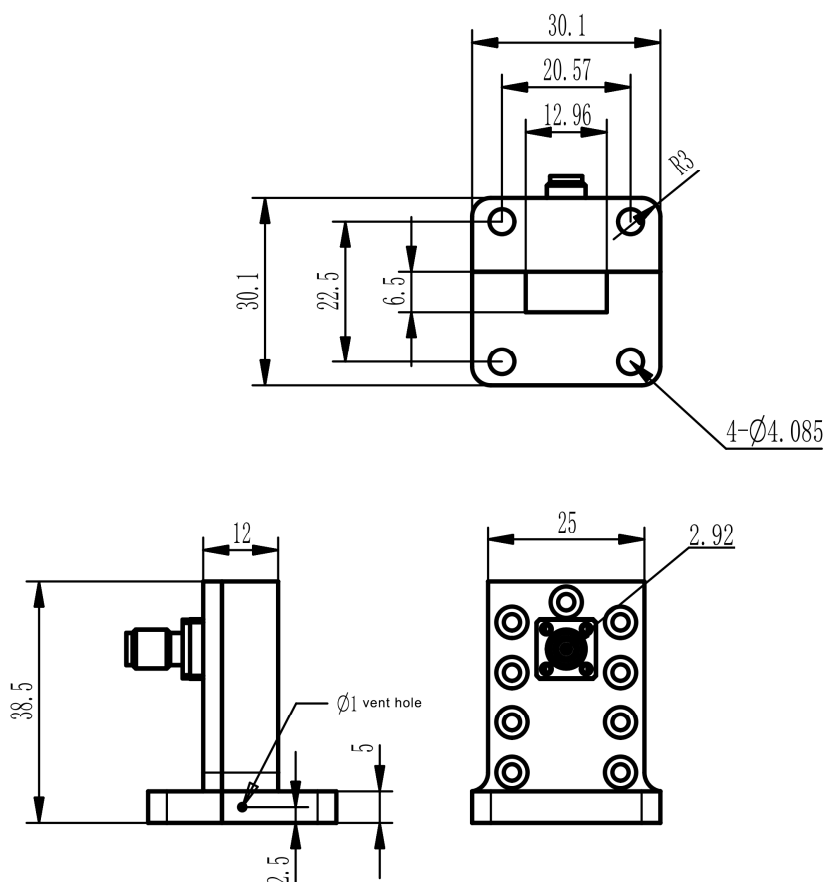
Operating Temperature	-55°C to +85°C
Operating Vacuum	$\leq 5 \times 10^{-6}$ mbar
Low Outgassing	Materials selected per ASTM E595 criteria (TML < 1%, CVCM < 0.1%)
Venting	Vent hole provided for rapid pressure equalization
Mechanical Shock	MIL-STD-202, Method 213, Cond. B
Random Vibration	MIL-STD-202, Method 214, Cond. A
Thermal Shock	MIL-STD-202, Method 107, Cond. B

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Dimensions (mm)

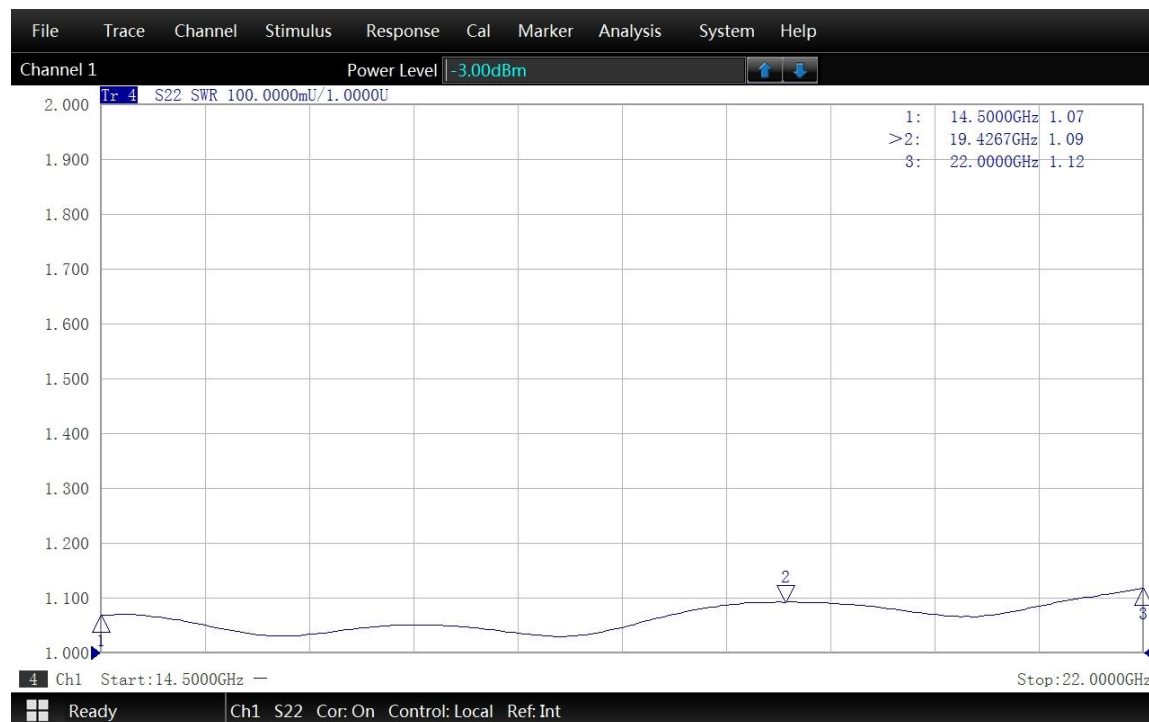


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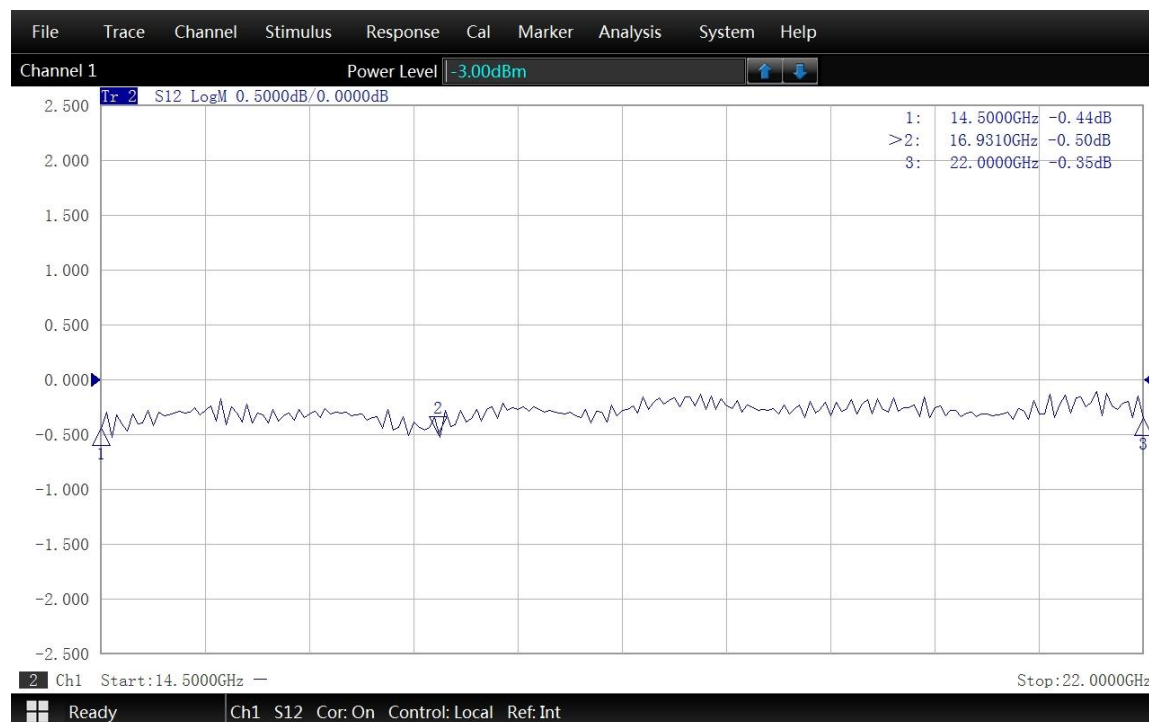


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Typical Test Data at 25°C ambient



VSWR



Insertion Loss*

* In Insertion Loss (IL) testing, adapters are measured back-to-back. To obtain the loss of a single adapter, divide the measured value by two.