

WR62 to SMA Female Waveguide to Coaxial Adapter UBR140 Flange, Right Angle, TVAC Compatible



Rev 1

Electrical

Frequency Range	11.9-18 GHz
VSWR	1.2 max
Insertion Loss	0.3 dB max

Mechanical

Waveguide Size	WR62
Flange	UBR140
Coax Connector	SMA 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 25g

Environmental

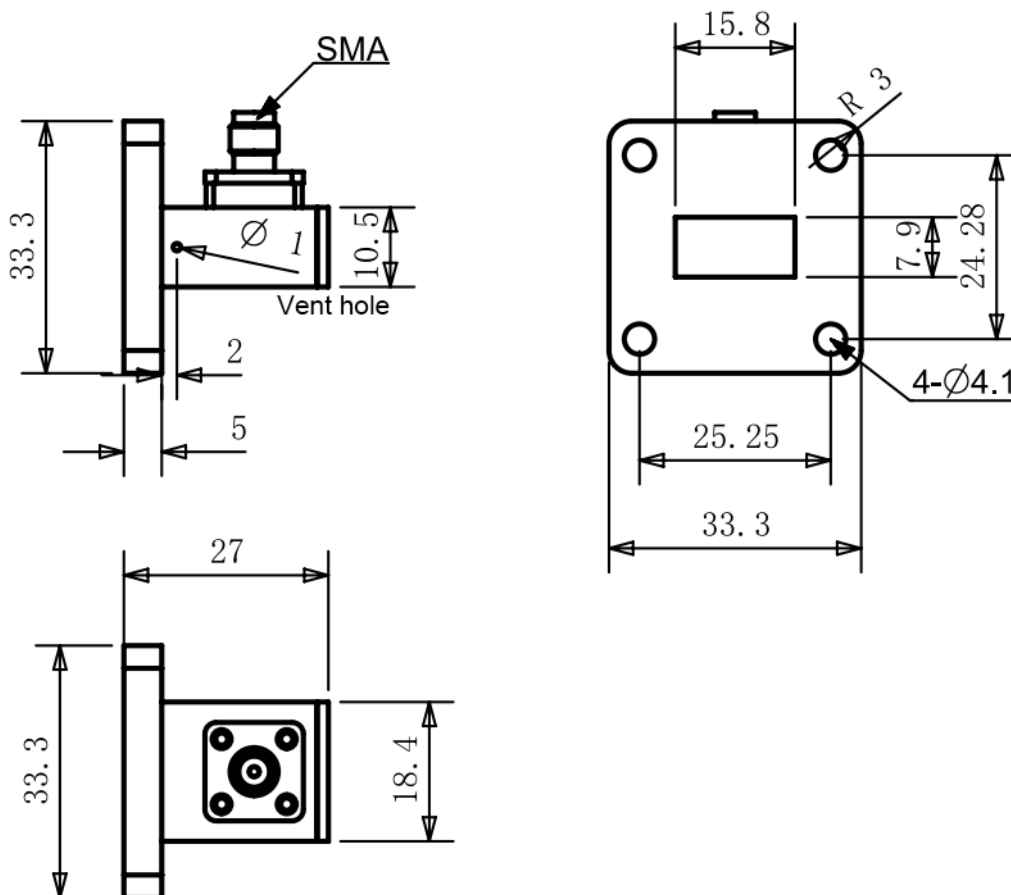
Operating Temperature	-55°C to +85°C
Operating Vacuum	$\leq 5 \times 10^{-6}$ mbar
Low Outgassing	Materials selected per ASTM E595 criteria (TML < 1%, CVCM < 0.1%)
Venting	Vent hole provided for rapid pressure equalization
Mechanical Shock	MIL-STD-202, Method 213, Cond. B
Random Vibration	MIL-STD-202,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

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Dimensions (mm)

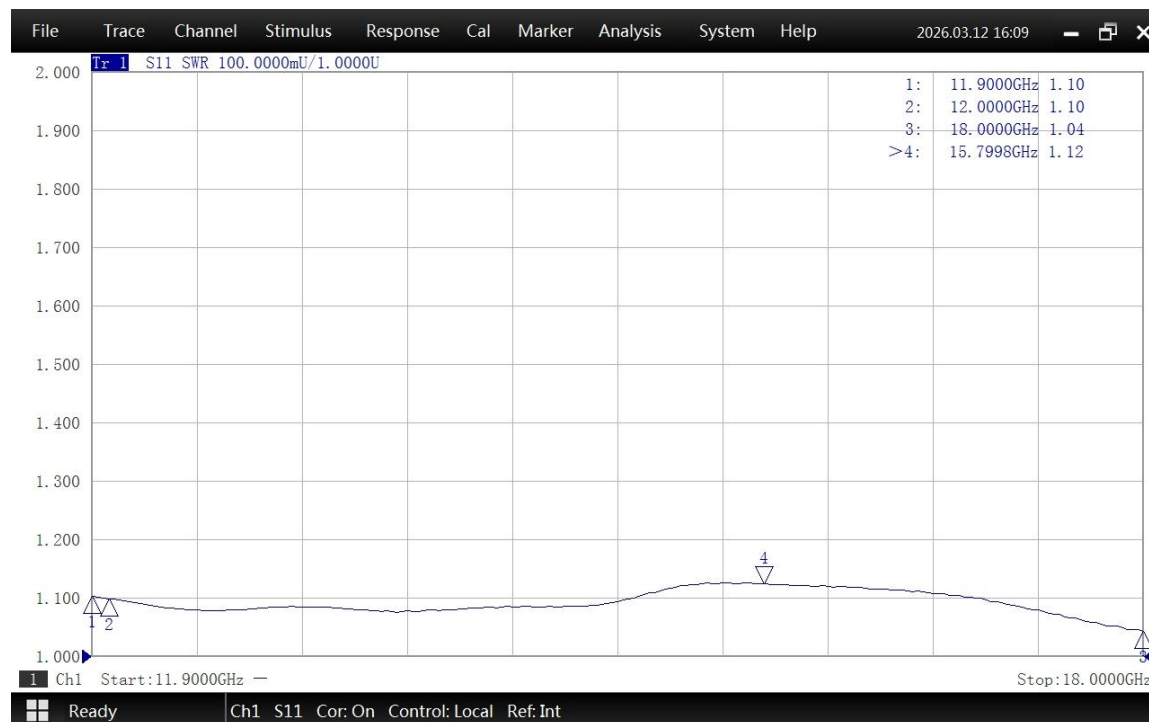


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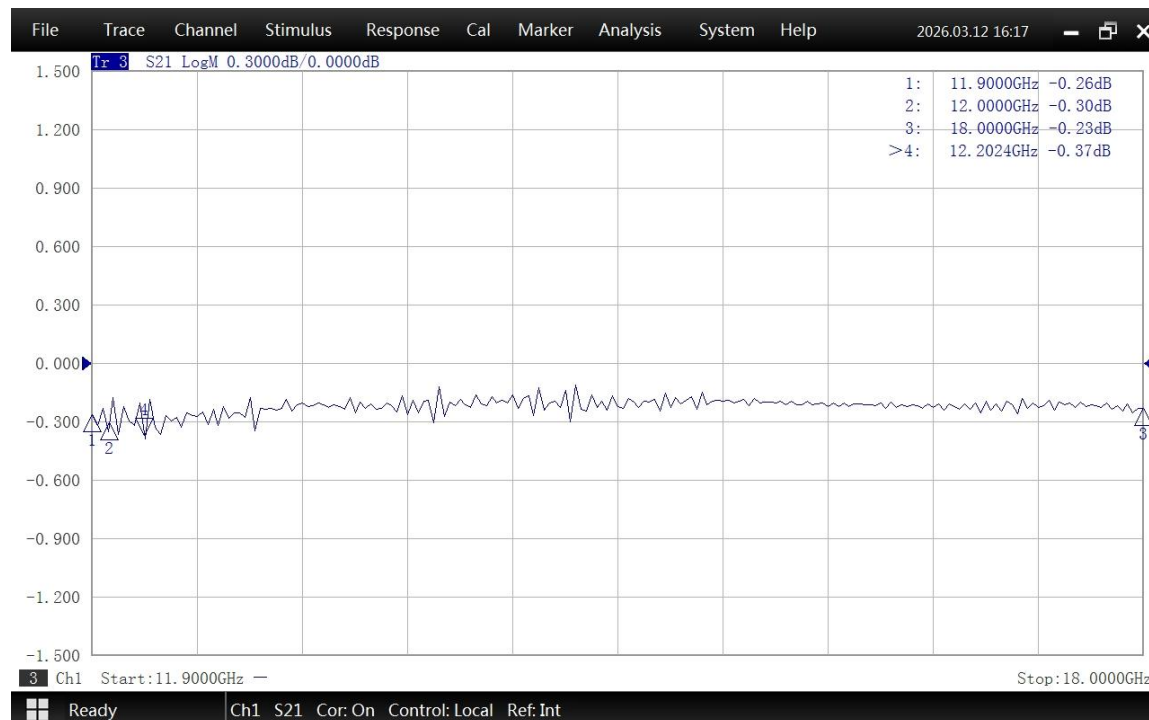


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Typical Test Data at 25°C ambient



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.