

SMA TO WR-90 COAX TO WAVEGUIDE ADAPTER

8.2 GHz TO 12.4 GHz

SMA-WR90

KEY FEATURES

- X-band SMA female to WR-90 coaxial to waveguide adapter
- Durable all-metal body (aluminum)
- VSWR below 1.5:1 (typically below 1.2:1) with insertion loss less than 0.5 dB
- Professionally designed and hand-tested by engineers in the United States

DESIGN SPECIFICATIONS

- Design: Square Flange with Right-Angle Feed
- Operating Frequency: 8.2 GHz to 12.4 GHz
- Body Material and Plating: Aluminum Alloy, Paint
- RF Connector Type: SMA Female
- RF Connector Body Material: Stainless Steel
- Waveguide Size: WR-90
- Flange: UG-135/U
- Length: 1.8 in [47 mm]
- Width: 1.6 in [41 mm]
- Height: 1.2 in [31 mm]



SMA-WR90

PERFORMANCE SPECIFICATIONS

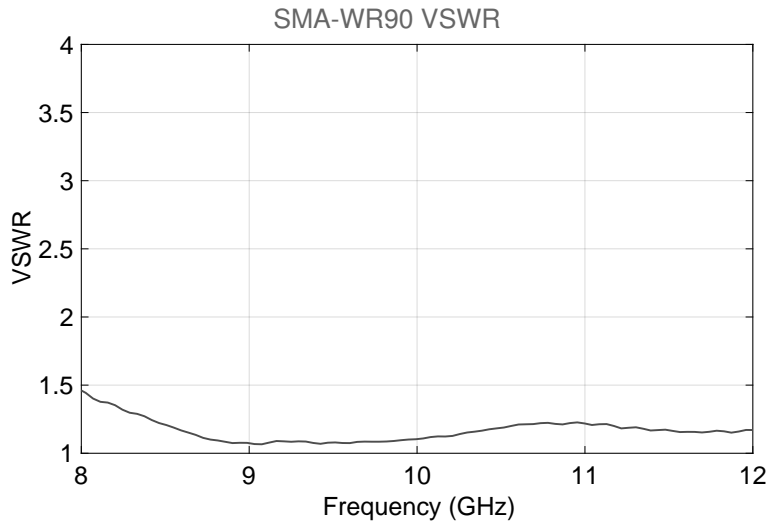
Parameter	Frequency	Min.	Typ.	Max.	Unit
VSWR	8.2 GHz – 12.4 GHz	–	1.2	1.5	–
Insertion Loss	8.2 GHz – 12.4 GHz	0.1	0.3	0.5	dB
Input Power	–	–	–	20	W
Impedance	–	50			Ω
Connector	–	WR-90 UG-135/U			–

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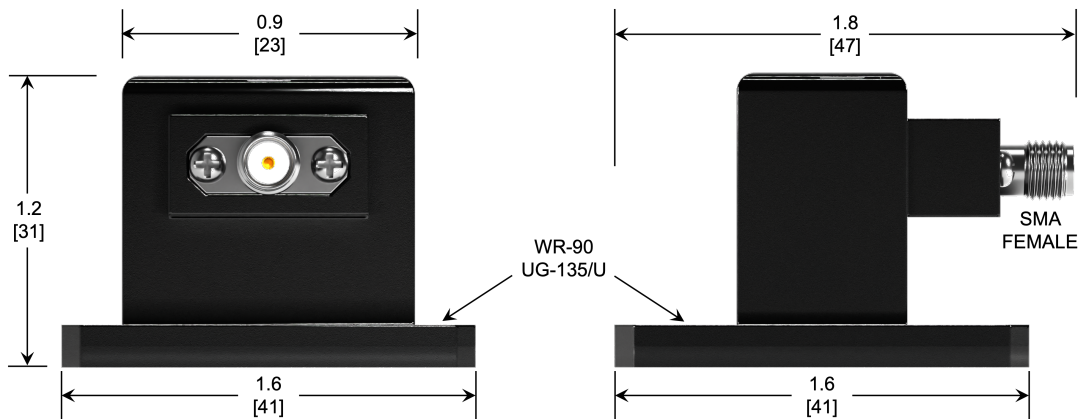
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TYPICAL PERFORMANCE



CAD DRAWING



NOTES:

1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL
2. DIMENSIONS ARE IN INCHES [mm]
3. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME