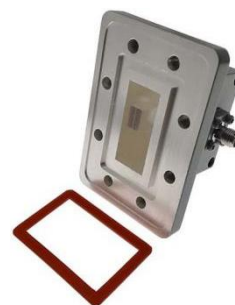


# Waveguide to Coaxial Adapter    AWR112SMAG

WR112 to SMA Female, Rectangular, Grooved Flange, Right Angle



Rev 3

## Electrical

Frequency Range	6.6-9.9 GHz
VSWR	1.2 max

## Configuration

Waveguide Size	IEC	84
	EIA	WR112
Flange Type	IEC	PDR 84
	North America	CPR 112G
Coax Connector	SMA Female	
Body Geometry	Right Angle	

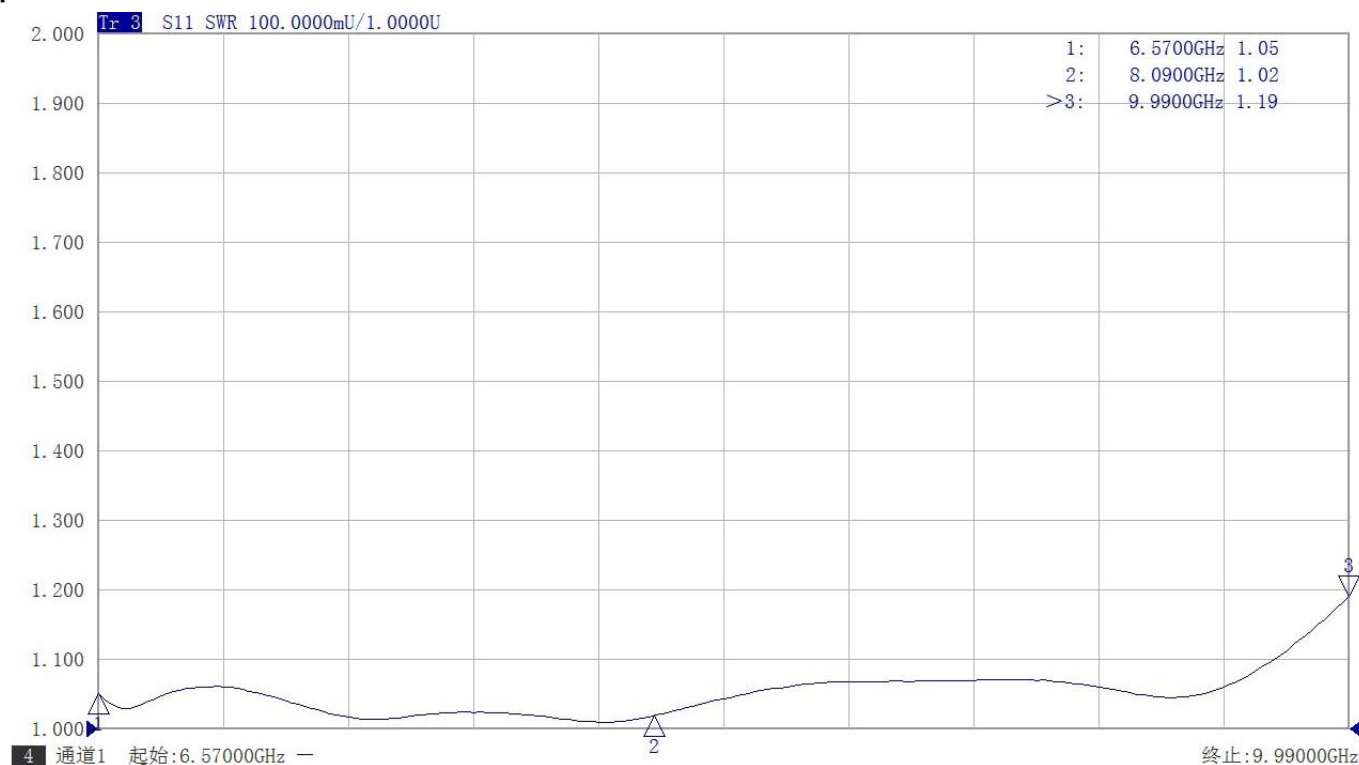
## Materials

Waveguide Body	Aluminum, black or grey painted
Connector Body	Passivated stainless steel
Center Contact	Gold plated beryllium copper

## Mechanical & Environmental

Operating Temp	-40℃ to 70℃
Connector Interface	MIL-STD-348
RoHS	Compliant

## Typical Test Data



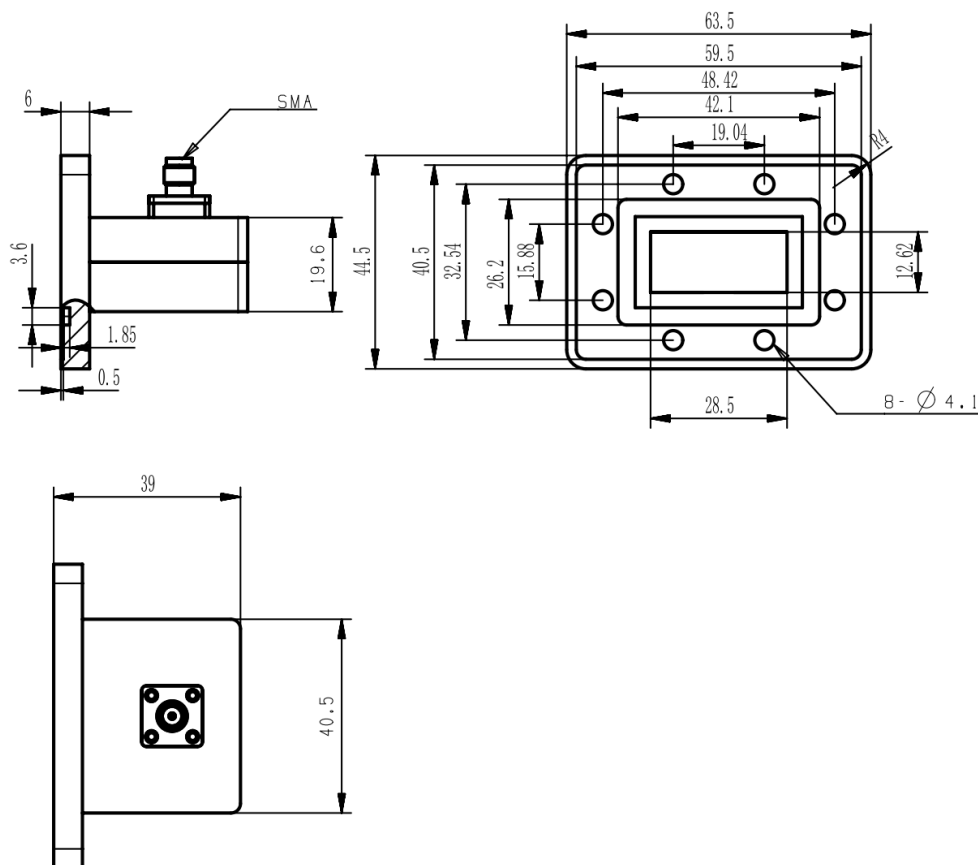
# Waveguide to Coaxial Adapter    AWR112SMAG

WR112 to SMA Female, Rectangular, Grooved Flange, Right Angle

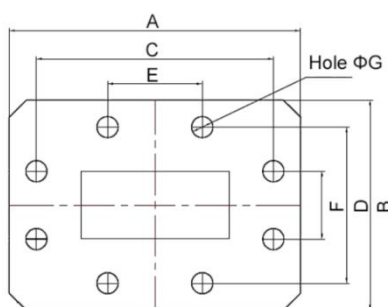


Rev 3

## Dimensions(mm)



## Flange Comparison (Unit mm)



WG SIZE	CONFORMING STANDARD	A	B	C	D	E	F	G
WR112	RF ONE:AWR112SMAG	63.5	44.5	48.42	32.54	19.04	15.88	4.1
	IEC60154:PDR70	63.50	44.50	48.42	32.54	19.04	15.88	4.00
	USA:CPR 112G	63.50	44.50	48.40	32.52	19.06	15.90	4.29

\* The purpose of this size comparison is to provide a quick overview of different flange standards.

\* Great care has been given nevertheless there might be a few mistakes.

\* Please check the flange compatibility before ordering. Customized flanges are available.