

# Waveguide to Coaxial Adapter    **AWR90SMAEL**

**WR90 to SMA Female, Square Cover Flange, End Launch**



Rev 1

## Electrical

Frequency Range	8.2-12.4 GHz
VSWR	1.2 max

## Configuration

Waveguide Size	IEC	100
	EIA	WR90
Flange Type	IEC	UBR100
	North America	Al alloy: M3922/53-003(UG135/U) Cu alloy: M3922/53-001(UG39/U)
Coax Connector	SMA Female	
Body Geometry	End Launch	

## 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



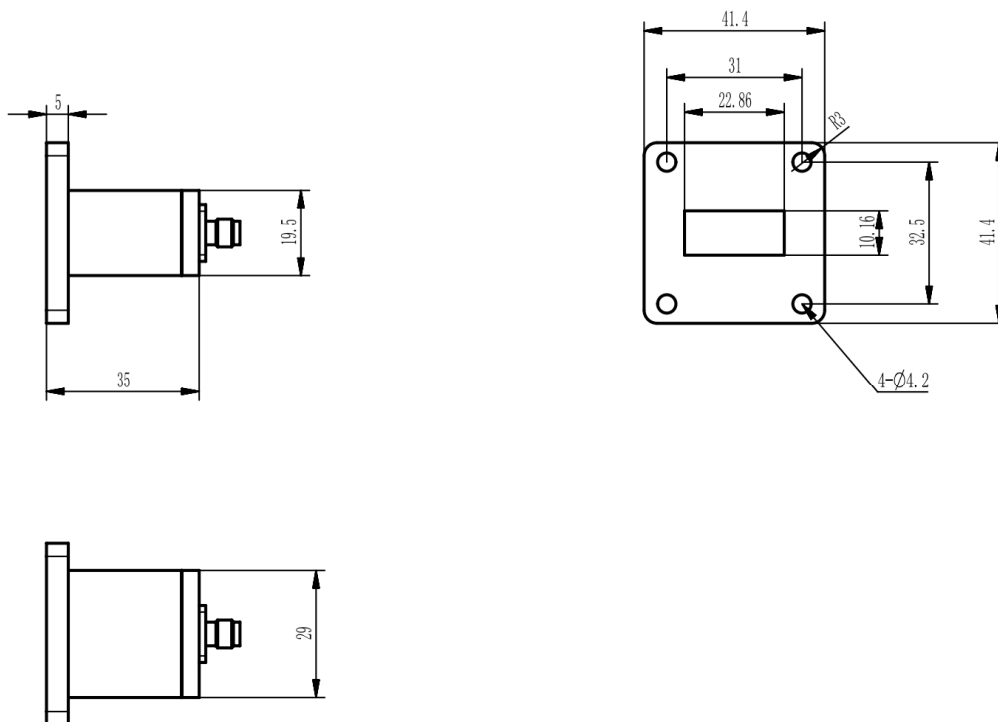
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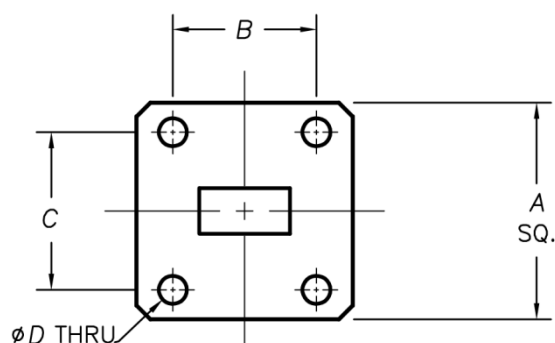


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## Dimensions(mm)



## Flange Comparison (Unit mm)



WG SIZE	CONFORMING STANDARD	A	B	C	D
WR90	RF ONE:AWR90SMAEL	41.4	30.99	32.51	4.2
	IEC60154:UBR100	41.40	30.98	32.52	4.1
	USA:MIL3922/53-001(UG39/U)	41.28	30.98	32.52	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.