Waveguide to Coaxial Adapter AWR90T

WR90 to TNC Female, Square Cover Flange, Right Angle

Rev 1

Electrical

Frequency Range	8.2-12.5 GHz
VSWR	1.2 max

Configuration

Waveguide Size	IEC	100
	EIA	WR90
Flange Type	IEC	UBR100
	North America	M3922/53-003(UG135/U)
Coax Connector	TNC Female	
Body Geometry	Right Angle	

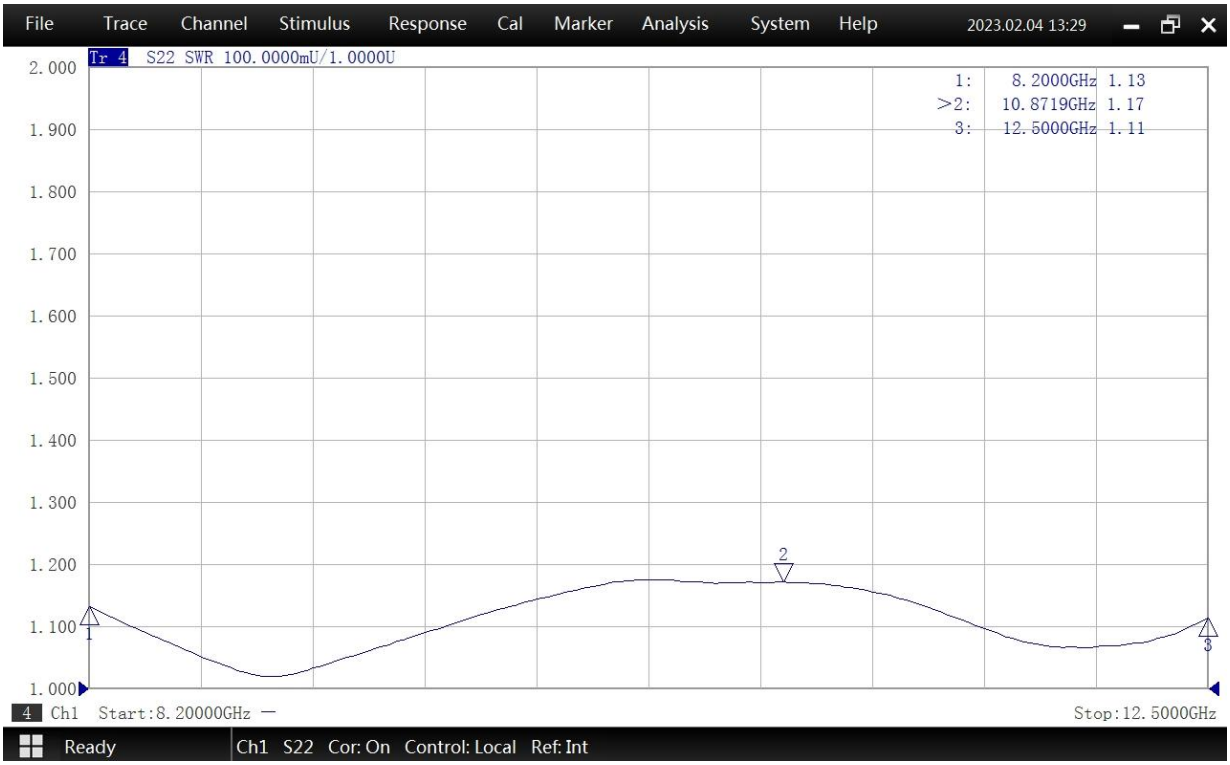
Materials

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



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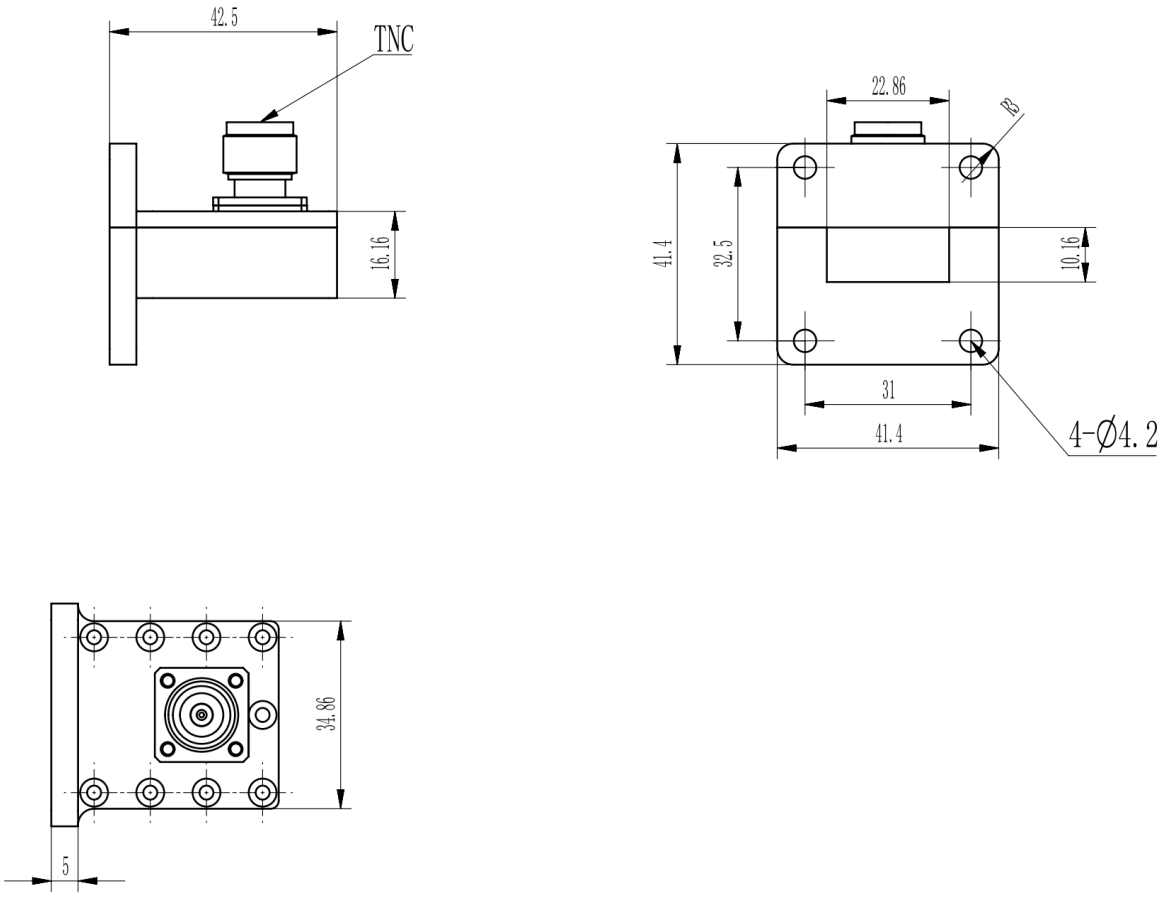
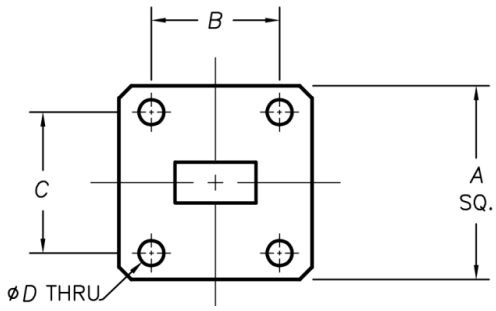
Dimensions(mm)



Flange Comparison (Unit mm)



WG SIZE	CONFORMING STANDARD	A	B	C	D
WR90	RF ONE:AWR90T	41.4	31	32.5	4.2
	IEC60154:UBR100	41.40	30.98	32.52	4.1
	USA:MIL3922/53-003(UG135/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.