

# Waveguide to Coaxial Adapter **AWR62NEL**

## WR62 to N Female, Square Cover Flange, End Launch



Rev 1

### Electrical

<b>Impedance</b>	50 ohm
<b>Frequency Range</b>	11.9-18 GHz
<b>VSWR</b>	1.2 max

### Configuration

<b>Waveguide Size</b>	IEC	140
	EIA	WR62
<b>Flange Type</b>	IEC	UBR140
	North America	Al alloy :M3922/53-006(UG1665/U) Cu alloy:M3922/53-005(UG419/U)
<b>Coax Connector</b>	N Female	
<b>Body Geometry</b>	End Launch	

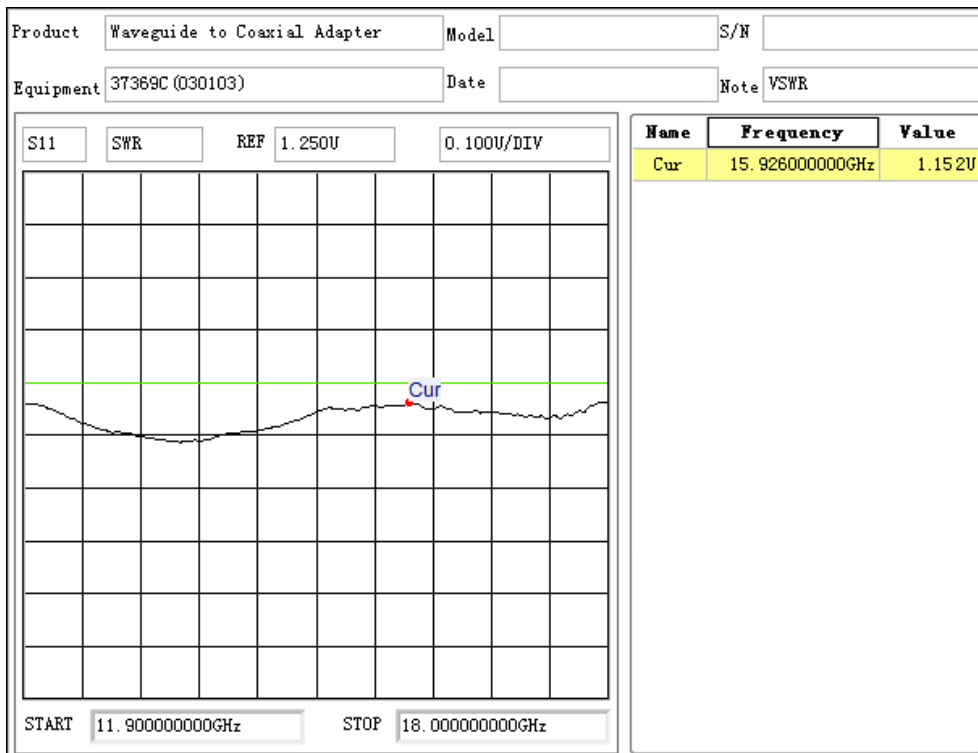
### Materials

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

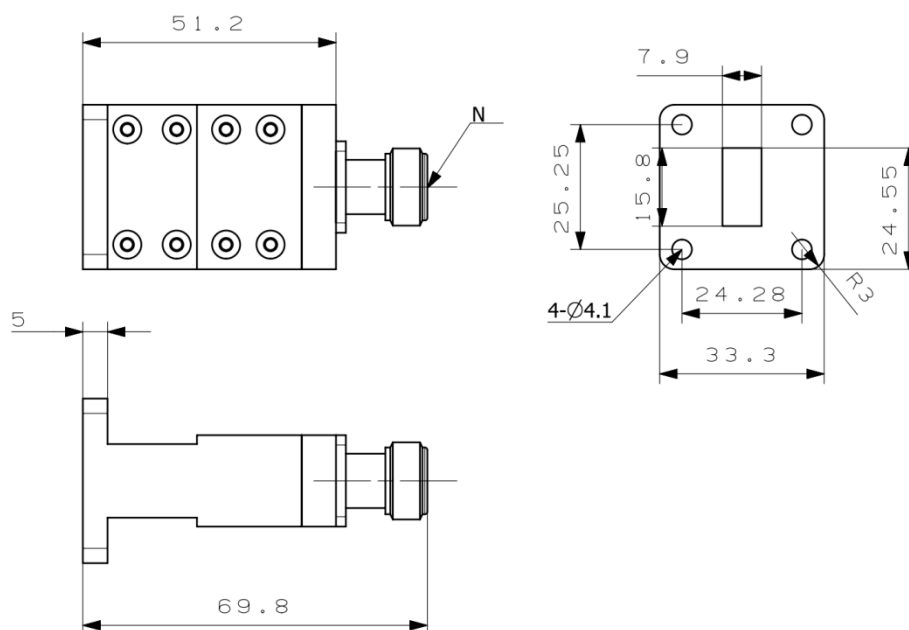
### Mechanical & Environmental

<b>Operating Temp</b>	-40°C to 70°C
<b>Connector Interface</b>	MIL-STD-348
<b>RoHS</b>	Compliant

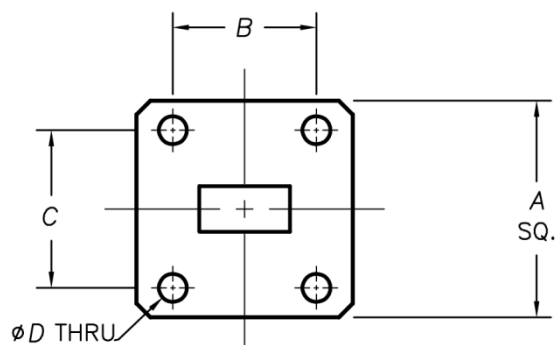
### Typical Test Data



## Dimensions(mm)



## Flange Comparison (Unit mm)



WG SIZE	CONFORMING STANDARD	A	B	C	D
WR62	RF ONE:AWR62NEL	33.3	25.25	24.28	4.1
	IEC60154:UBR140	33.30	25.24	24.28	4.00
	USA:MIL3922/53-006(UG1665/U)	33.35	25.24	24.28	3.66

\* 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.