

Waveguide to Coaxial Adapter **AWR137N**

WR137 to N Female, Rectangular Cover Flange, Right Angle



Rev 3

Electrical

| | |
|------------------------|---------------|
| Frequency Range | 5.37-8.17 GHz |
| VSWR | 1.2 max |

Configuration

| | | |
|-----------------------|---------------|---|
| Waveguide Size | IEC | 70 |
| | EIA | WR137 |
| Flange Type | IEC | UDR70 |
| | North America | Al alloy: M3922/52-018(UG1733/U) Cu alloy: M3922/52-017(UG1732/U) CPR137F |
| Coax Connector | N Female | |
| Body Geometry | Right Angle | |

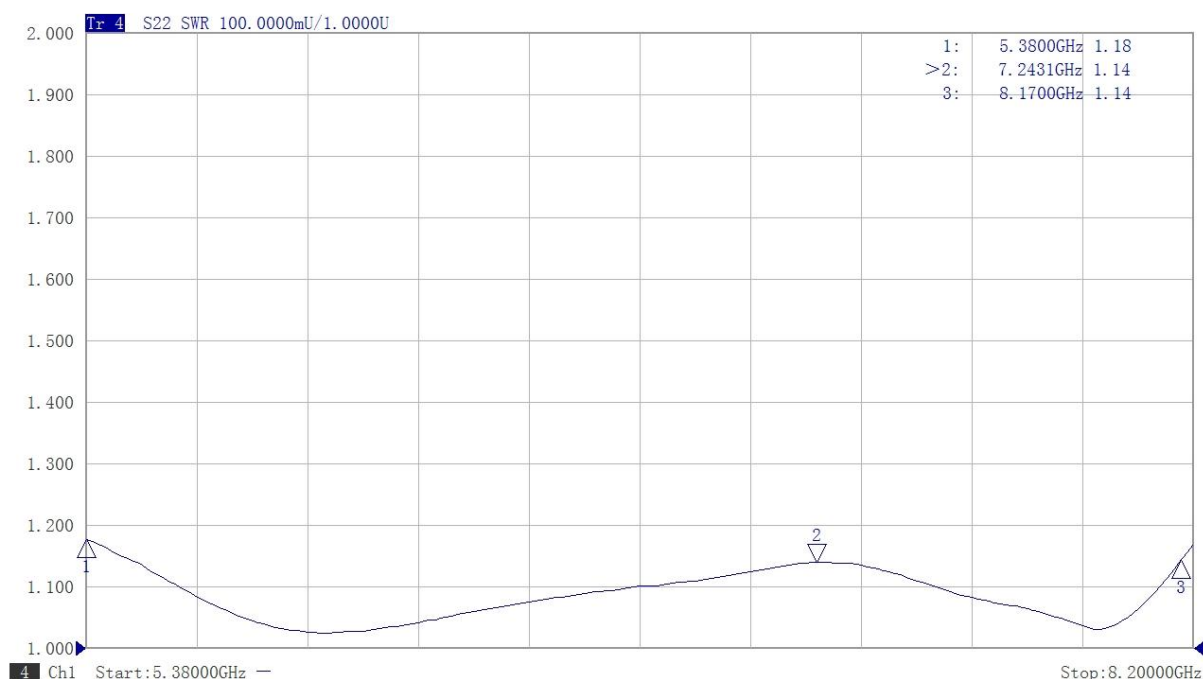
Materials

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

Mechanical & Environmental

| | |
|----------------------------|---------------|
| Operating Temp | -40°C to 70°C |
| Connector Interface | MIL-STD-348 |
| RoHS | Compliant |

Typical Test Data



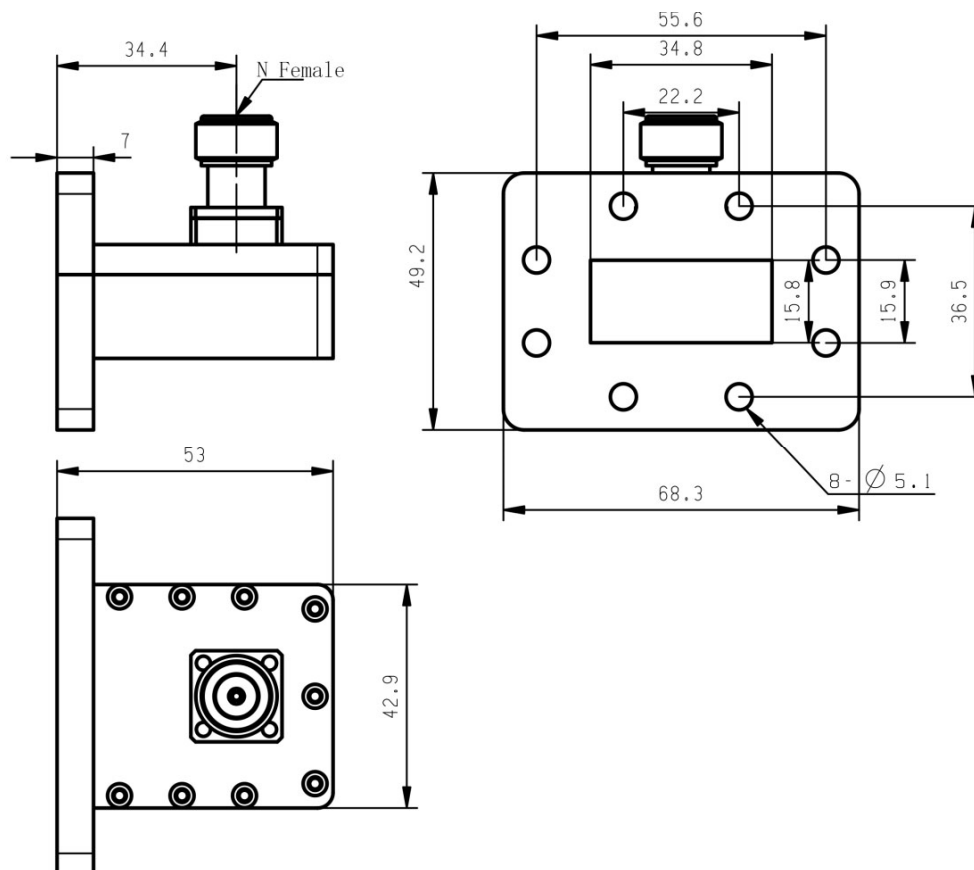
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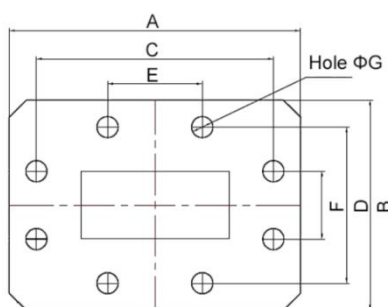


Rev 3

Dimensions(mm)



Flange Comparison (Unit mm)



| WG SIZE | CONFORMING STANDARD | A | B | C | D | E | F | G |
|---------|------------------------------|-------|-------|-------|-------|-------|-------|------|
| WR137 | RF ONE:AWR137N | 68.3 | 49.2 | 55.6 | 36.5 | 22.2 | 15.9 | 5.1 |
| | IEC60154:UDR70 | 68.30 | 49.20 | 55.58 | 36.52 | 22.22 | 15.88 | 5.00 |
| | USA:MIL3922/52-017(UG1732/U) | 68.33 | 49.28 | 55.58 | 36.52 | 22.24 | 15.90 | 4.98 |

* 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.