

Waveguide to Coaxial Adapter **AWR770D**

WR770 to DIN 7/16 Female, Rectangular Cover Flange, Right Angle



Rev 1

Electrical

| | |
|------------------------|---------------|
| Frequency Range | 0.96-1.46 GHz |
| VSWR | 1.2 max |
| Average Power | 1000 Watts |

Configuration

| | | |
|-----------------------|-----------------|------------------------|
| Waveguide Size | IEC | R12 |
| | EIA | WR770 |
| Flange Type | IEC | UDR12 |
| | North America | M3922/76-01 CPR770F |
| Coax Connector | DIN 7/16 Female | |
| Body Geometry | Right Angle | |

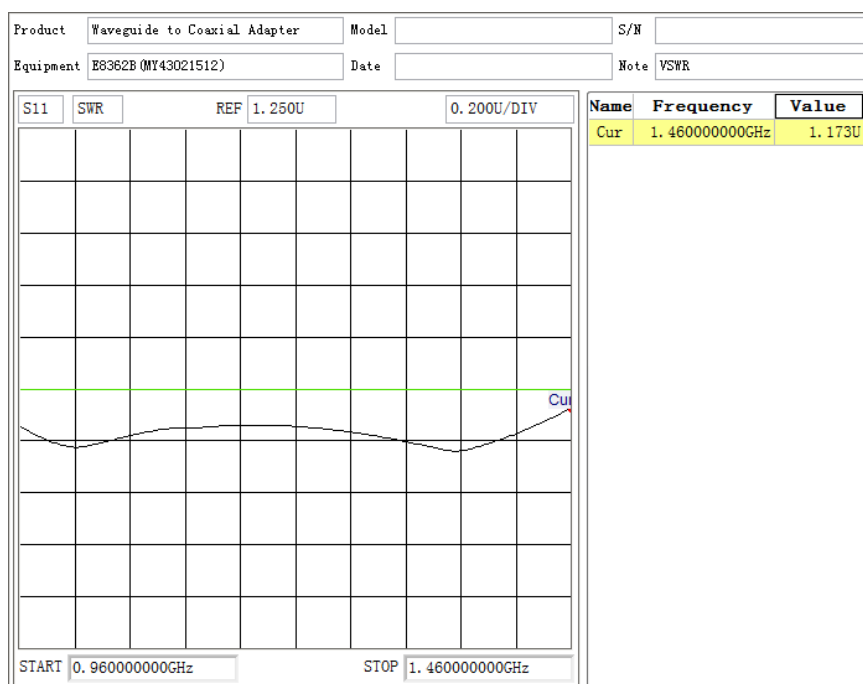
Materials

| | |
|-----------------------|---------------------------------|
| Waveguide Body | Aluminum, black or grey painted |
| Connector Body | Ternary alloy plated brass |
| Center Contact | Silver plated beryllium copper |

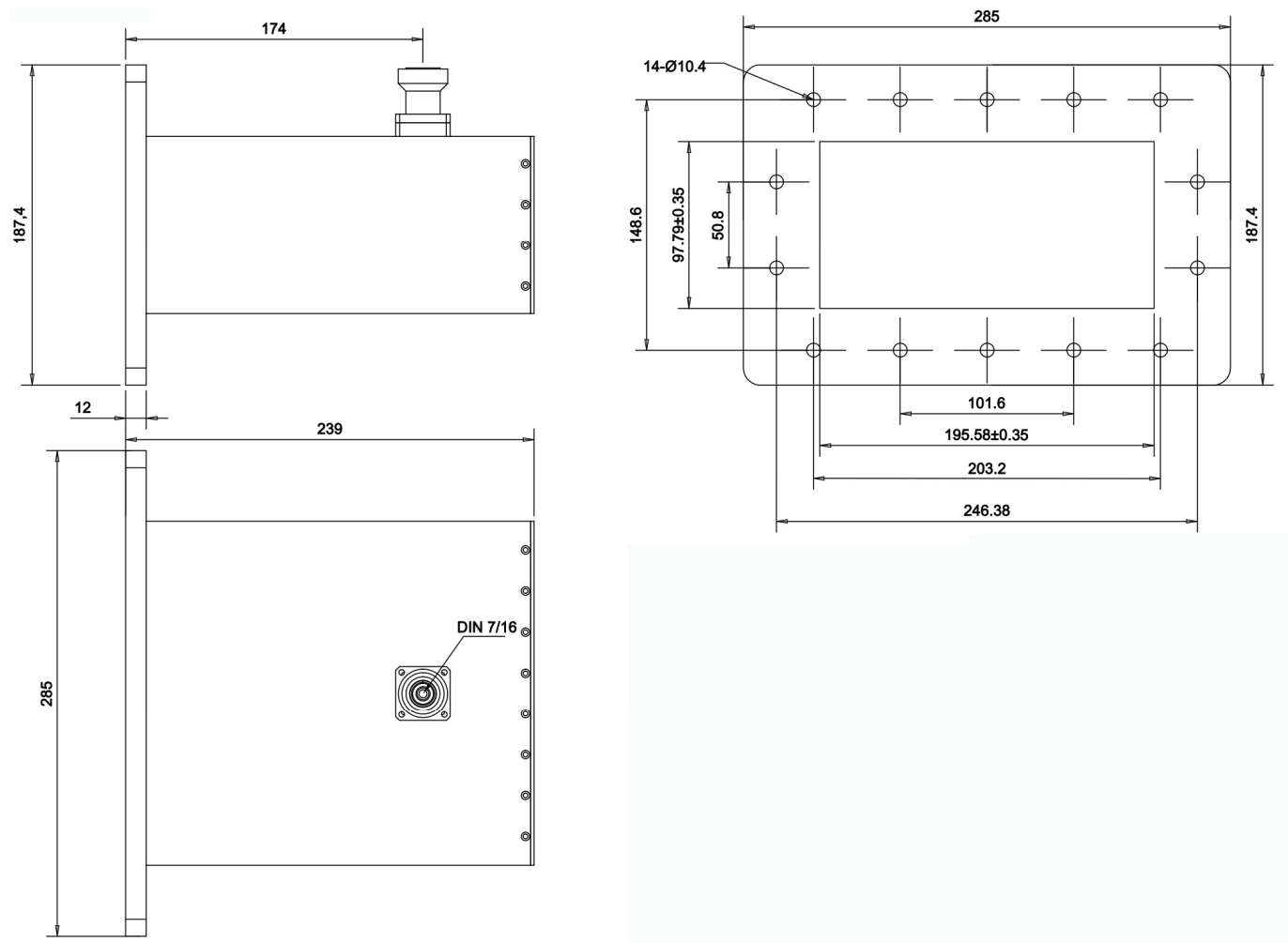
Mechanical & Environmental

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

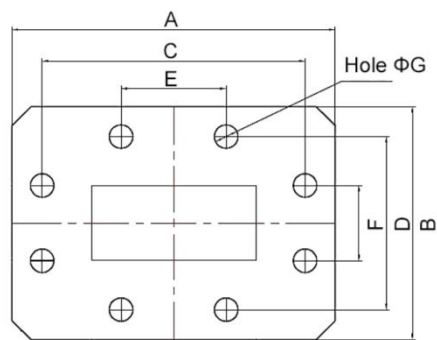
Typical Test Data



Dimensions(mm)



Flange Comparison (Unit mm)



| WG SIZE | CONFORMING STANDARD | A | B | C | D | E | F | G |
|---------|---------------------|-----|-------|-------|-------|-------|------|------|
| WR770 | RF ONE:AWR770D | 285 | 187.4 | 203.2 | 148.6 | 101.6 | 50.8 | 10.4 |
| | IEC60154:UDR12 | 285 | 187.4 | 203.2 | 148.6 | 101.6 | 50.8 | 10.4 |
| | USA:M3922/76-01 | 285 | 187.4 | 203.2 | 148.6 | 101.6 | 50.8 | 10.3 |
| | USA:CPR 770F | 285 | 187.4 | 203.2 | 148.6 | 101.6 | 50.8 | 10.3 |

* 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.