

## Waveguide to Coax Adapter



This Double Ridged Waveguide to Coax Adapter ADRWC750 is manufactured with a right-angle design. RF SPIN is using only high-grade aluminum and design with the fewest components to ensure top quality and superb performance. This ADRWC750 has waveguide size WRD750 and flange. Using a great quality N or SMA female connector (based on your request) that is 50 Ohm is a matter of course.

Double Ridged Waveguide to Coax Adapter has a frequency band from 7.5 GHz up to 18 GHz ensuring the extra performance of VSWR lower than 1.25 and low insertion loss below 0.4 dB. It is suitable with RF SPIN Double Ridged Waveguide Horn DRH818.

### Features and Specifications

 <p><b>Technical Performance</b></p> <ul style="list-style-type: none"> <li>Wide bandwidth</li> <li>Low return loss</li> <li>Individual calibration</li> </ul>	 <p><b>Design and Surface Treatment</b></p> <ul style="list-style-type: none"> <li>Corrosion-resistant coating</li> </ul>	 <p><b>Manufacturing Technology</b></p> <ul style="list-style-type: none"> <li>Manufactured using a high grade aluminum alloy</li> <li>Extremely durable</li> <li>High quality SMA type coaxial connector</li> <li>High quality N type coaxial connector</li> </ul>	 <p><b>Product Packaging Includes</b></p> <ul style="list-style-type: none"> <li>Waveguide to Coax Adapter</li> </ul>
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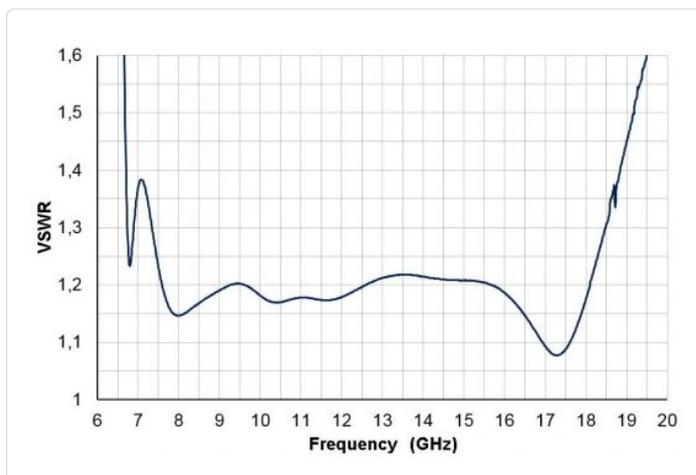
### Product Parameters

PRODUCT IDENTIFICATION		PHYSICAL SPECIFICATIONS	
Product Name	<b>ADRWC750</b>	Length	<b>50 mm (1.969 in)</b>
Product Category	<b>Waveguide to Coax Adapter</b>	Width	<b>34.9 mm (1.374 in)</b>
ELECTRICAL SPECIFICATIONS		Height	<b>34.9 mm (1.374 in)</b>
Frequency Range	<b>7.5 GHz – 18 GHz</b>	Depth	<b>30 mm (1.181 in)</b>
VSWR (max.)	<b>1.25</b>	Weight	<b>0.060 kg (0.132 lb)</b>
VSWR (avg.)	<b>1.15</b>	OPERATING CONDITIONS	
Impedance	<b>50 Ohm</b>	Rated Temperature Range	<b>0°C – +50°C</b>
Insertion Loss (max.)	<b>0.4 dB</b>	Storage Temperature Range	<b>-20°C – +70°C</b>
Connector	<b>N, SMA</b>		
Waveguide Size	<b>WRD750</b>		
Waveguide Flange	<b>FPWRD750D24</b>		
Power (CW / Peak)	<b>100 W / 170 W</b>		

## Parameters and Performance

### Typical parameters

VSWR



## Packaging and Accessories

### What's in a box

- ADRWC750 Device
- Factory calibration certificate
- QR code accessing online portal
- Calibration test dataset (available online)

### Accessories

- Standard mounting flange



Factory calibration report

### Optional Accessories

- DRH818 Double Ridged Horn Antenna

## Manufacturer Information

### About Datasheet

Product information available also online at  
<https://www.rfspin.com/product/adrwc750/>

*Data and specifications subject to change without notice.*

*Datasheet revision 07-2021.*

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