

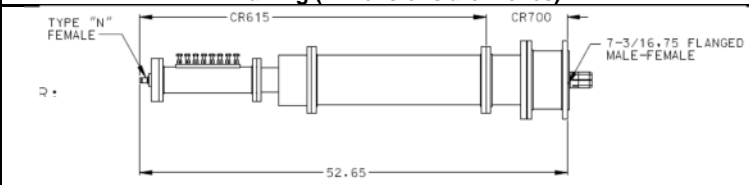
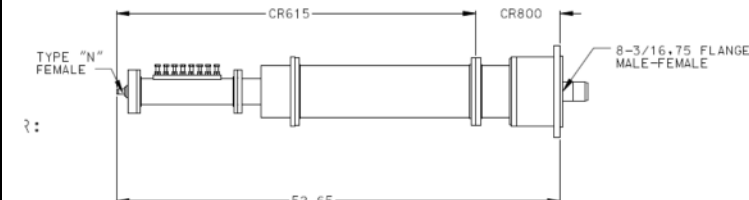
# Coaxial and Waveguide Test Adapters

Electronics Research manufactures a complete line of coaxial and waveguide test adapters for field testing and measurement of filter and transmission line systems. The transitions are manufactured from aluminum to minimize weight and the coaxial versions are field tunable to desired operating channel (factory tuning available, charges apply). Waveguide models can be factory retuned for other channels (charges apply). These are Low Power designs intended for test purposes only. Test adapters are shipped from factory to customer required channel.

## Features and Benefits

- Lightweight aluminum construction to be economical to ship and easy to carry
- Versatile with a wide range of applications
- Coaxial versions field tunable
- Waveguide versions can be factory retuned to new channel
- Available in most standard waveguide and coaxial transmission line sizes and impedances
- Matches factory test equipment used at ERI

Coaxial Test Adapters to Type "N", female		
Part Number	Input Size	Drawing (Dimensions are inches)
CR322	3-1/8-inch 50 ohms EIA Flanged, male	<p>TYPE "N" FEMALE</p> <p>3-1/8, 50 EIA MALE-FEMALE</p> <p>14.40</p>
CR422	4-1/16-inch 50 ohms Flanged, male*	<p>TYPE "N" FEMALE</p> <p>CR322</p> <p>CR411</p> <p>4-1/16 50 ERI-MYAT FEMALE</p> <p>21.90</p>
CR622	6-1/8-inch 50 ohms EIA Flanged, male	<p>TYPE "N" FEMALE</p> <p>CR322</p> <p>CR601</p> <p>6-1/8, 50 EIA FEMALE</p> <p>21.15</p>
CR615	6-1/8-inch 75 ohms EIA Flanged, male*	<p>TYPE "N" FEMALE</p> <p>6-1/8, 75 ERI-MYAT MALE-FEMALE</p> <p>42.63</p>

Coaxial Test Adapters to Type "N", female		
Part Number	Input Size	Drawing (Dimensions are inches)
CR701	7-3/16-inch 75 ohms Flanged, male	
CR801	8-3/16-inch 75 ohms EIA Flanged, male	

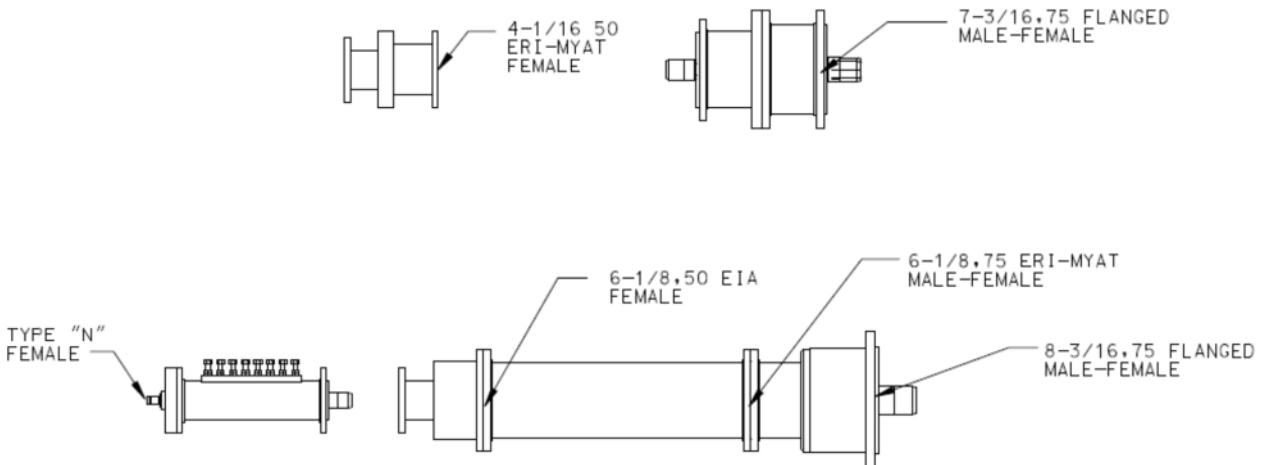
\* Inner conductor inside diameter 1.631 inches (41 mm).

Reducer Kits to provide multi-usage Test Adapters		
Part Number	Reducer	Notes
CR411	4-1/6 to 3-1/8-inch 50 ohms	<a href="#">added to CR322 to make CR422</a>
CR601	6-1/8 to 3-1/8-inch 50 ohms	<a href="#">added to CR322 to make CR622</a>
CR700	7-3/16 to 6-1/8-inch 75 ohms	<a href="#">added to CR615 to make CR701</a>
CR800	8-3/16 to 6-1/8-inch 75 ohms	<a href="#">added to CR615 to make CR801</a>

**Full Kit Coaxial Test adapters**

**Part Number**  
CR022-KIT

**Kit Includes one (1) each of:**  
CR322, CR411, CR601, CR615, CR700, CR800.



Waveguide Test Adapters to Type "N", female		
Part number	Description	Drawing
WX133	WR1150 to Type "N"	<p>Technical drawing of the WX133 adapter. It includes a side view and a cross-sectional view. The cross-sectional view shows a WR1150 waveguide flange on the left, connected to a vertical section that ends in a Type "N" female port. Dimensions are provided: 12.00 for the distance from the flange face to the start of the vertical section, 18.27 for the total height of the vertical section, and 16.00 for the diameter of the waveguide section.</p>
WX533	WR1500 to Type "N"	<p>Technical drawing of the WX533 adapter. It includes a side view and a cross-sectional view. The cross-sectional view shows a WR1500 waveguide flange on the left, connected to a vertical section that ends in a Type "N" female port. Dimensions are provided: 12.00 for the distance from the flange face to the start of the vertical section, 19.15 for the total height of the vertical section, and 17.00 for the diameter of the waveguide section.</p>

Waveguide Test Adapters to Type "N", female		
Part number	Description	Drawing
WX833	WR1800 to Type "N"	

NOTE: Low Power design for test purposes only.  
 Shipped from factory to customer required channel.  
 This design was manufactured for specific purpose of having a single transition that can be factory can be retuned to a broad range of frequencies.  
 Retuning charges apply.

April 2, 2018