

WAVEGUIDE TO COAXIAL ADAPTERS

TYPE N END LAUNCH

Features

- Low VSWR 1.10:1 Maximum
- Precision Type N Connectors
- Precision Flange



Model E221A

Description

The Maury 221A and 221B series adapters are end launch waveguide to type N precision coaxial adapters. These adapters cover the frequency range from 2.6 to 18.0 GHz in standard waveguide bands.

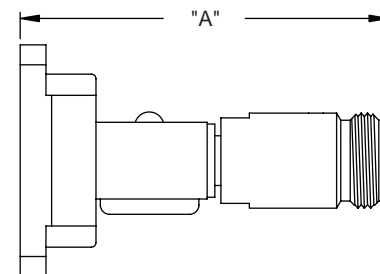
The adapters are provided with precision type N connectors fabricated from stainless steel that comply with MIL-C-39012. All 221A and 221B series adapters are fitted with the Maury precision cover flanges which feature precision indexing holes for precise alignment of the flanges and improved connection repeatability.

Maury also offers right angle launch waveguide to type N adapters (213 and 214 series adapters per Maury data sheet 3A-213. Unique adapters are available to provide a solution to your needs. Please consult the factory for application assistance if the adapter you need is not listed.

Specifications

Frequency Range	2.6 to 18.0 GHz (see <i>Available Models</i> chart on page 2)
VSWR	1.10 maximum
Insertion Loss	0.15 dB maximum (typical)
Coaxial Connector	Precision type N per Maury data sheet 5E-049

Dimensions





Available Models

Frequency Range (GHz)	Waveguide Size (EIA)	Model		Equivalent Flange (EIA)	Dimensions (inches)		Approximate Net Weight (oz)
		Female Connector	Male Connector		"A"		
					Female Connector	Male Connector	
2.6 — 3.95	WR284	S221A1	S221B1	UG-584/U	3.934	3.973	21.5
3.3 — 4.9	WR229	E221A1	E221B1	CPR-229F	3.684	3.723	7.5
3.95 — 5.85	WR187	G221A1	G221B1	UG-149/U	3.684	3.723	8.5
4.9 — 7.05	WR159	F221A1	F221B1	CPR-159F	3.184	3.223	6.5
5.85 — 8.2	WR137	C221A1	C221B1	UG-344/U	2.934	2.973	6.5
7.05 — 10.0	WR112	H221A1	H221B1	UG-51/U	2.784	2.823	4.0
8.2 — 12.4	WR90	X221A2 ¹	X221B2 ¹	UG-39/U	2.534	2.573	3.0
10.0 — 15.0	WR75	M221A2 ¹	M221B2 ¹	MPF75	2.434	2.473	2.5
12.4 — 18.0	WR62	P221A2 ¹	P221B2 ¹	UG-419/U	2.184	2.223	2.0

¹ 1.05 maximum VSWR.