

# Flexible Waveguide Type AW

## Seamless Flexible Waveguide

**Features:**

- Waveguide sizes WR187, WR228 and WR284
- Available in Beryllium Copper and Phosphor Bronze (copper plated)
- Available unjacketed or with Neoprene, Silicone, Vinyl or Neoprene Spray.



**Description:**

This patented construction is ideal for applications where weight is a consideration or waveguide will be subjected to an unusual amount of vibration or repeated flexure.

# Specifications

## AW Seamless Flexible Waveguide

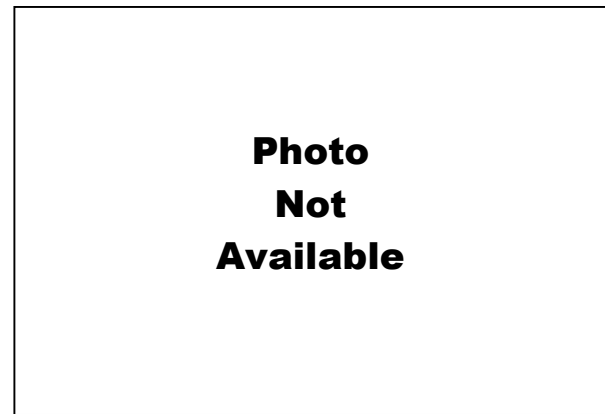
W/G Size	Freq. Range GHz	Attenuation dB/Ft	Max. VSWR	Power		Max. Pressure PSIG
				Peak (MW)	Avg. (kW)	
WR 187	3.95-5.85	0.030	1.09	2.4	4.0	30
WR 229	3.3-4.9	0.025	1.05	3.6	8.0	30
WR 284	2.6-3.95	0.020	1.06	4.4	10.0	30

# Flexible Waveguide Type AS

## Sideseam Flexible Waveguide

**Features:**

- Waveguide sizes WR137 and WR284
- Manufactured in Beryllium Copper
- Available unjacketed or with Neoprene, Silicone, Vinyl or Neoprene Spray.



**Description:**

This patented construction is ideal for applications where weight is a consideration or waveguide will be subjected to an unusual amount of vibration or repeated flexure.

# Specifications

## AS Sideseam Flexible Waveguide

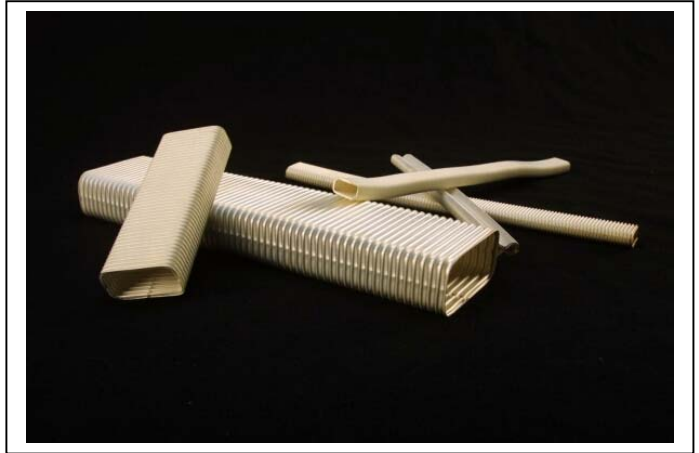
W/G Size	Freq. Range GHz	Attenuation dB/Ft	Max. VSWR	Power		Max. Pressure PSIG
				Peak (MW)	Avg. (kW)	
WR 137	5.85-8.2	0.05	1.10	1.2	2.00	30
WR 284	2.6-3.95	0.02	1.08	4.4	10.00	30

# Flexible Waveguide Type AF

## Flexible Waveguide

### Features:

- Waveguide sizes WR340, WR430, and WRD650
- Silver Clad Copper Alloy
- Available unjacketed or with Vinyl jacketing.



### Description:

AF flexible waveguide is constructed of soldered convoluted silver clad copper alloy strip and displays excellent electrical and physical characters.

# Specifications

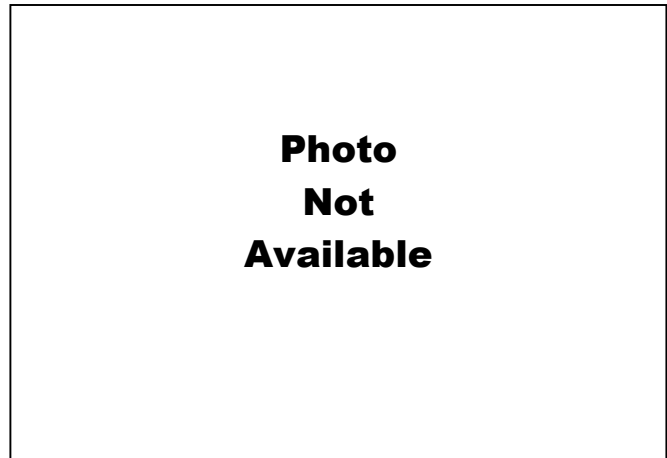
## AF Flexible Waveguide

W/G Size	Freq. Range GHz	Attenuation dB/Ft	Max. VSWR	Power		Max. Pressure PSIG	Max. Length
				Peak (MW)	Avg. (kW)		
WR 340	2.20-3.30	0.015	1.07	11.0	15.00	25	24"
WR 430	1.70-2.60	0.010	1.07	15.0	15.00	20	24"
WRD 650	1.12-1.70	0.010	1.06	15.0	15.00	15	36"

# Double Ridge Twistable/Flexible Waveguide

## Features:

- Waveguide sizes WRD650, WRD750 and WRD350
- Copper Alloy (Brass)
- Available with Neoprene, Silicone and Vinyl jacketing.



## Description:

Double ridge flexible is available in soldered convolute, unsoldered convolute and sideseam. Normally supplied in straight sections, double ridge can be factory preformed to specific requirements.

# Specifications

## Double Ridge Twistable/Flexible

W/G Size	Freq. Range GHz	Attenuation dB/Ft	Max. VSWR	Avg. Power (kW)	Max. Pressure PSIG	Max. Twist ° Per Foot
WRD 650	6.5-18	0.25	45	0.6	45	90
WRD 750	7.50-18	0.30	45	0.6	45	90
WRD 350	3.5-8.2	0.10	30	1.0	30	45