

## WH45-1900WG

### General Description

WR-19 45-Degree Waveguide H-Plane Bend, operating from 40-60 GHz, are built with high precision and gold plated for high corrosion resistance. They have very low loss and excellent VSWR. Manufactured to rigid specifications, these transmission line components provide minimum detrimental effects on overall system VSWR.

### Features

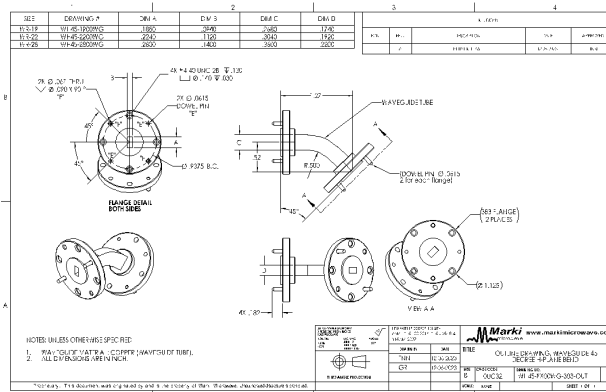
- Copper waveguide
- Brass UG-383/U flanges
- Gold plated
- Length = 1 in.
- Very low loss



### Electrical Performance

Parameter	Typ	Min	Max	Unit
Frequency Range	-	40	60	GHz
Return Loss	37	40	60	dB

### Outline Drawing



### Part Ordering Options

Part Number	Description	Package	Green Status	Product Lifecycle	Export Classification
WH45-1900WG	WR-19 45-Degree Waveguide H-Plane Bend	WR-19	REACH RoHS	Released	EAR99

## WH45-1900WG

### WR-19 45-Degree Waveguide H-Plane Bend

#### Electrical Specifications

Parameter	Test Conditions	Minimum Frequency (GHz)	Maximum Frequency (GHz)	Typ	Min	Max	Unit
Frequency Range	-	40	60	-	-	-	GHz
Insertion Loss	-	40	60	0.1	-	-	dB
Return Loss	-	40	60	37	-	-	dB

#### Specifications

#### Package Information

Parameter	Details	Rating
Dimensions	-	L = 1 in.

**Revision History**

Revision Code	Revision Date	Comment
-	2024-05-01	Initial Release

## WH45-1900WG

### WR-19 45-Degree Waveguide H-Plane Bend

#### DISCLAIMER

MARKI MICROWAVE, INC., ("MARKI") PROVIDES TECHNICAL SPECIFICATIONS AND DATA (INCLUDING DATASHEETS), APPLICATION OR OTHER DESIGN ADVICE, WEB TOOLS, AND OTHER INFORMATION AND RESOURCES "AS IS" AND WITH ALL FAULTS. MARKI DISCLAIMS ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR NON-INFRINGEMENT.

These resources are intended for developers skilled in the art designing with Marki products. You are solely responsible for (1) selecting the appropriate products for your application, (2) designing, validating, and testing your application, and (3) ensuring your application meets applicable standards and other requirements. Marki makes no guarantee regarding the suitability of its products for any particular purpose, nor does Marki assume any liability whatsoever arising out of your use or application of any Marki product. Marki grants you permission to use these resources only for development of an application that uses Marki products. Other reproduction or use of these resources is strictly prohibited. No license is granted to any other Marki intellectual property or to any third-party intellectual property. Marki reserves the right to make changes to the product(s) or information contained herein without notice.

MARKI MICROWAVE and T3 MIXER are trademarks or registered trademarks of Marki Microwave, Inc. All other trademarks used are the property of their respective owners.

© 2024, Marki Microwave, Inc