

# WE90-1900WG

## WR-19 90-Degree Waveguide E-Plane Bend

### DEVICE OVERVIEW

#### General Description

WR-19 90-Degree Waveguide E-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

#### Applications

- 5G
- Radar
- Satellite Communications
- Communication Systems

#### Functional Block Diagram

N/A

#### Part Ordering Options

Part Number	Description	Package	Green Status	Product Lifecycle	Export Classification
WE90-1900WG	WR-19 90-Degree Waveguide E-Plane Bend	WR-19	REACH RoHS	Released	EAR99

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**Revision History**

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

**Specifications**

**Package Information**

Parameter	Details	Rating
Dimensions	-	L = 1 in.

**Electrical Specifications**

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



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