MI-WAVE®
Millimeter Wave Products Inc.

283X-XX/.XXX/39

TEST DATA SHEET

Description

283 Series Adjustable Circular Polarizer

Notes

Data Sheet Variables: XX in Product Name = Center Frequency (Defined by End-User); ".XXX" in Product Name correlates with Internal Diameter defined in Physical Specifications below. End User to Choose Right-Hand Circular, Left Hand Circular, or Linear Polarization.

S/N: N/A

Electrical Specifications

	Minimal	Typical	Maximum
Center Frequency	8.2 GHz		12.4 GHz
Bandwidth		2 GHz	
Insertion Loss		0.25 dB	
Axial Ratio (Right Hand to Left Hand) Balance		1 dB	
VSWR		1.2:1	

Physical Specifications

Port Option 1	1.094" ID Circular Waveguide (8-9.97 GHz)
Port Option 2	.938" ID Circular Waveguide (8.5-11.6 GHz)
Port Option 3	.797" ID Circular Waveguide (9.7-12.4 GHz)
Flange	UG-39/U
Material	Aluminum
Finish	Chem Film

Tested by: MS

Date: 2020-11-06