MI-WAVE®
Millimeter Wave Products Inc.

283E-XX/.XXX/387

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	60 GHz		90 GHz
Bandwidth		7 GHz	
Insertion Loss		0.50 dB	
Axial Ratio (Right Hand to Left Hand) Balance		1 dB	
VSWR		1.2:1	

Physical Specifications

Port Option 1	.141" ID Circular Waveguide (60-68 GHz)
Port Option 2	.125" ID Circular Waveguide (68-77 GHz)
Port Option 3	.110" ID Circular Waveguide (77-87 GHz)
Port Option 4	.094" ID Circular Waveguide (87-90 GHz)
Flange	UG-387/U
Material	Aluminum or Brass
Finish	Gold Plated

Tested by: MS

Date: 2020-11-09

RoHS compliant
Millimeter Wave Products Inc. • 2007 Gandy Blvd N., Suite 1310, St. Petersburg, FL 33702
Phone: (727) 563-0034 • **Fax:** (727) 563-0031 • **Email:** Sales@miwv.com
REACH COMPLIANCE