MI-WAVE®
Millimeter Wave Products Inc.

283F-.082/106/387

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: V3S11M

Electrical Specifications

	Minimal	Typical	Maximum
Center Frequency	90 GHz		140 GHz
Bandwidth		10 GHz	
Insertion Loss		1.0 dB	
Axial Ratio (Right Hand to Left Hand) Balance		1 dB	
VSWR		1.2:1	

Physical Specifications

Port Option 1	.094" ID Circular Waveguide (90-100 GHz)
Port Option 2	.082" ID Circular Waveguide (100-112 GHz)
Port Option 3	.075" ID Circular Waveguide (112-125 GHz)
Port Option 4	.067" ID Circular Waveguide (125-140 GHz)
Flange	UG-387/U-M
Material	Aluminum or Brass
Finish	Gold Plated

Tested by: MS

Date: 2024-05-20

RoHS compliant
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REACH COMPLIANCE