MI-WAVE®
Millimeter Wave Products Inc.

282U-XX/.XXX/383

TEST DATA SHEET

Description

282 Series 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. The orientation of the polarizer will determine the Right Hand or Left Hand Circular polarization.

S/N: N/A

Electrical Specifications

	Minimal	Typical	Maximum
Frequency Range	40 GHz		60 GHz
Bandwidth		6 GHz	
Insertion Loss			1.0 dB
Axial Ratio			1 dB
VSWR		1.2:1	

Physical Specifications

Waveguide Option 1	.219" ID Circular Waveguide (40-43 GHz)
Waveguide Option 2	.188" ID Circular Waveguide (43-50 GHz)
Waveguide Option 3	.165" ID Circular Waveguide (50-58 GHz)
Waveguide Option 4	.141" ID Circular Waveguide (58-60 GHz)
Flange	UG-383/U-M
Material	Brass
Finish	Gold Plated

Tested by: Mark Smith

Date: 2020-11-11

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

RoHS compliant

REACH COMPLIANCE