MI-WAVE®
Millimeter Wave Products Inc.

282W-105/.082/387

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: FXM8A5 GXM8AS

Electrical Specifications

	Minimal	Typical	Maximum
Frequency Range	75 GHz		110 GHz
Bandwidth		8 GHz	
Insertion Loss			1.0 dB
Axial Ratio			2 dB
VSWR		1.2:1	

Physical Specifications

Waveguide Option 1	.125" ID Circular Waveguide (75-77 GHz)
Waveguide Option 2	.110" ID Circular Waveguide (77-87 GHz)
Waveguide Option 3	.094" ID Circular Waveguide (87-100 GHz)
Waveguide Option 4	.082" ID Circular Waveguide (100-110 GHz)
Flange	UG-387/U-M
Material	Brass
Finish	Gold Plated

Tested by: Mark Smith

Date: 2023-11-16