MI-WAVE®
Millimeter Wave Products Inc.

282A-28.4-29.1/.281/599

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	26.5 GHz		33 GHz
Bandwidth		5 GHz	
Insertion Loss			1.0 dB
Axial Ratio			1 dB
VSWR		1.2:1	

Physical Specifications

Waveguide Option 1	.328" ID Circular Waveguide (26.5-28.5 GHz)
Waveguide Option 2	.281" ID Circular Waveguide (28.5-33 GHz)
Waveguide Option 3	.250" ID Circular Waveguide (33-38.5 GHz)
Waveguide Option 4	.219" ID Circular Waveguide (38.5-40 GHz)
Flange	UG-599/U
Material	Aluminum
Finish	Gold Plated

Tested by: Kim Madden

Date: 2022-07-28