MI-WAVE®
Millimeter Wave Products Inc.

282B--44.5/.188/383

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: 5Y7YPF FY7Y44

Electrical Specifications

	Minimal	Typical	Maximum
Frequency Range	33 GHz		50 GHz
Bandwidth		5 GHz	
Insertion Loss			1.0 dB
Axial Ratio			1 dB
VSWR		1.2:1	

Physical Specifications

Waveguide Option 1	.250" ID Circular Waveguide (33-38.5 GHz)
Waveguide Option 2	.219" ID Circular Waveguide (38.5-43 GHz)
Waveguide Option 3	.188" ID Circular Waveguide (43-50 GHz)
Flange	UG-383/U
Material	Brass
Finish	Gold Plated

Tested by: Mark Smith

Date: 2022-03-10