

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	60 GHz		90 GHz
Bandwidth		7 GHz	
Insertion Loss			1.0 dB
Axial Ratio		1 dB	2 dB
VSWR		1.2:1	

Physical Specifications

Waveguide Option 1	.141" ID Circular Waveguide (60-68 GHz)
Waveguide Option 2	.125" ID Circular Waveguide (68-77 GHz)
Waveguide Option 3	.110" ID Circular Waveguide (77-87 GHz)
Waveguide Option 4	.094" ID Circular Waveguide (87-90 GHz)
Flange	UG-387/U
Material	Brass
Finish	Gold Plated

Tested by: Mark Smith

Date: 2020-11-11

