

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	18 GHz		26.5 GHz
Bandwidth		3 GHz	
Insertion Loss			1.0 dB
Axial Ratio		1 dB	2 dB
VSWR		1.2:1	

Physical Specifications

Waveguide Option 1	.470" ID Circular Waveguide (17.5- 20.5 GHz)
Waveguide Option 2	.396" ID Circular Waveguide (20.5-24.5 GHz)
Waveguide Option 3	.328" ID Circular Waveguide (24.5-26.5 GHz)
Flange	UG-419/U
Material	Aluminum
Finish	Gold Plated

Tested by: Mark Smith

Date: 2020-11-10

