

Description

283 Series Adjustable 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. End User to Choose Right-Hand Circular, Left Hand Circular, or Linear Polarization.

S/N: N/A

Electrical Specifications

	Minimal	Typical	Maximum
Center Frequency	110 GHz		170 GHz
Bandwidth		10 GHz	
Insertion Loss		1.5 dB	
Axial Ratio (Right Hand to Left Hand) Balance		1 dB	
VSWR		1.2:1	

Physical Specifications

Port Option 1	.082" ID Circular Waveguide (110-112 GHz)
Port Option 2	.075" ID Circular Waveguide (112-125 GHz)
Port Option 3	.067" ID Circular Waveguide (125-160 GHz)
Port Option 4	.059" ID Circular Waveguide (160-170 GHz)
Flange	UG-387/U-M
Material	Aluminum or Brass
Finish	Gold Plated

Tested by: MS

Date: 2020-12-07

