MI-WAVE®
Millimeter Wave Products Inc.

# 282B/.219/383

**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: 0CT119 1CT11S

## 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 | |
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## Physical Specifications

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|---|---|
| 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 | Aluminum |
| Finish | Gold Plated |
| | |
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**Tested by:** Mark Smith

**Date:** 2024-04-30