

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: 09V014 19V01X

Electrical Specifications

| | Minimal | Typical | Maximum |
|-----------------|---------|---------|---------|
| Frequency Range | 60 GHz | | 90 GHz |
| Bandwidth | | 7 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 | .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: 2023-10-18

