



SUMMARY TEST DATA ON PDT-8G12G-40-515-SFF

Customer: _____
 SO No: _____
 Model No: PDT-8G12G-40-515-SFF
 Serial No: PL49915/2444

Tested By: K. Wagaman
 Temperature: +25° C, -54° C
 Date: 11/4/2024
 Drawing No: 27630580 Rev: A3

| TEST ITEM NO. | PARAMETERS | SPECIFIED VALUE | TEST RESULTS | | QA QC |
|---------------|-----------------------|--|--------------------------------------|-------------------------------------|----------------|
| | | | +25° C | -54° C | |
| 1 | Frequency Range: | 8 GHz to 12 GHz | 8 GHz to 12 GHz | | <i>PMI QA4</i> |
| 2 | Insertion Loss: | 2 dB Max., 8-10 GHz 2.3 dB Max., 10-12 GHz | 1.62 dB 1.77 dB See Graph | 1.55 dB 1.71 dB See Graph | |
| 3 | Isolation: | 40 dB Min. | 49.5 dB See Graph | 50.3 dB See Graph | |
| 4 | VSWR: | 1.8:1 Typ. | 1.49:1 In 1.49:1 Out See Graph | 1.5:1 In 1.55:1 Out See Graph | |
| 5 | Switching Speed: | 200 ns Max. | Pass See Typical Characteristics | Pass See Typical Characteristics | |
| 6 | Input Power | 40 dBm CW Avg. | Pass See Typical Characteristics | Pass See Typical Characteristics | |
| 7 | Operating Peak Power: | 57 dBm Max 1 μs Pulse Width, 1% Duty Cycle. | Pass See Typical Characteristics | Pass See Typical Characteristics | |
| 8 | DC Supply: | +5 V @ 100 mA Max.. -15 V @ 100 mA Max. | +5V @ 26 mA -15 V @ 0 mA | +5 V @ 25 mA -15 V @ 0 mA | |
| 9 | Control: | Logic Table | | Pass | |
| | | CTL1 | Function | | |
| | | 1 | J0-J1 | | |
| | | 0 | J0-J2 | | |

QA/QC Approval: *Cameron Kelly*

Date: 11/4/24

