

SUMMARY TEST DATA ON P2T-12G18G-45-R-SFF-10W

Customer: _____
 SO No: _____
 Model No: P2T-12G18G-45-R-SFF-10W
 Serial No: PL50374/2448

Tested By: S. O'Neill
 Temperature: +25°C
 Date: 12/3/2024
 Drawing No: 27618993 Rev: B1

| TEST ITEM NO. | PARAMETERS | SPECIFIED VALUE | TEST RESULTS | QA QC |
|---------------|-------------------------|--|--|------------|
| 1 | Frequency Range: | 12 GHz – 18 GHz | 12 GHz – 18 GHz | PMI QA2 |
| 2 | Insertion Loss: | 1.5 dB Typ. 2.0 dB Max. | 1.84 dB See Graph | |
| 3 | Isolation: | 45 dB Min. | 45 dB See Graph | |
| 4 | VSWR: | 2.0:1 | 1.8 See Graph | |
| 5 | Rise Time: | 20 ns Max. | Pass See Typical Characteristics | |
| | Fall Time: | 20 ns Max. | | |
| 6 | Delay On: | 50 ns Max. | | |
| | Delay Off: | 50 ns Max. | | |
| 7 | Pulse Width: | 1 µs Max | Pass | |
| 8 | Port To Port Switching: | 60 ns Max. | Pass See Typical Characteristics | |
| 9 | Maximum PRF: | 2 MHz | Pass | |
| 10 | Control: | TTL Low (0.2VDC Nominal) = Insertion Loss TTL High (3.5VDC Nominal) = Isolation | Pass | |
| 11 | Power Supply: | +15V @ 100 mA Max. -15V @ 75 mA Max. | +15 VDC @ 41 mA -15 VDC @ 3 mA | |
| 12 | Peak Power*: | 30 Watts Max. | Pass See Typical Characteristics | |
| 13 | Average Power*: | 10 Watts Max. | Pass See Typical Characteristics | PMI QA2 |

*Operating

| E1 | E2 | RF STATE |
|--------------|----|----------|
| 0 | 0 | J1-J3 |
| 1 | 0 | BOTH ON* |
| 0 | 1 | ALL OFF* |
| 1 | 1 | J1-J2 |
| NOT DEFINED* | | |

QA/QC Approval: _____

PMI
QA2

Date: _____

12/3/2024

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