



**SUMMARY TEST DATA
ON
P4T-500M40G-60-T-55-292FF-SP**

Customer: _____
 SO No: _____
 Model No: P4T-500M40G-60-T-55-292FF-SP
 Serial No: PL47591/2433

Tested By: S. O'Neill
 Temperature: 25°C
 Date: 8/13/2024
 Drawing No: 27613629 Rev: A1

| TEST ITEM NO. | PARAMETERS | SPECIFIED VALUE | TEST RESULTS | QA QC |
|---------------|---------------------|---|----------------------------------|---------|
| 1 | Frequency Range | 0.5 GHz to 40 GHz | 0.5 GHz to 40 GHz | PMI QA4 |
| 2 | Isolation | 60 dB Min. | 65.9 dB | |
| 3 | Insertion Loss | 8 dB Max. | 5.81 dB | |
| 4 | VSWR: In/Out | 2.5:1 Max. 2:1 Typ. | 1.88:1 In 1.91:1 Out | |
| 5 | Input Power | 20 dBm CW Max Operating | Pass See Typical Characteristics | |
| 6 | Survival Power Peak | 1 W Max 1 uS Pulse Width | Pass See Typical Characteristics | |
| 7 | Rise/Fall Time | 15 ns Max. Rise 15 ns Max. Fall | Pass See Typical Characteristics | |
| 8 | Delay On/Off | 50 ns Max. On 50 ns Max. Off | Pass See Typical Characteristics | |
| 9 | Power Supply | 5 V @ 250 mA Max. -5 V @ 100 mA Max. | 5 V @ 22 mA -5 V @ 22 mA | PMI QA4 |

| LOGIC TABLE | | |
|---------------|----|------------------|
| 2 BIT DECODER | | |
| E1 | E2 | FUNCTION |
| 0 | 0 | J1-J2 "Low Loss" |
| 0 | 1 | J1-J3 "Low Loss" |
| 1 | 0 | J1-J4 "Low Loss" |
| 1 | 1 | J1-J5 "Low Loss" |

QA/QC Approval: *Cameron Kelley*

Date: 8/14/24

7309-A Grove Road Frederick, MD 21704 USA Phone: (301)662-5019 Fax: (301)662-1731
 Email: sales@quanticpmi.com



