



# SUMMARY TEST DATA ON P4T-100M50G-100-T-RD-292-OPT40

Customer: \_\_\_\_\_  
SO No: \_\_\_\_\_  
Model No: P4T-100M50G-100-T-RD-292-OPT40  
Serial No: PL34356/2143

Tested By: A. Lopez  
Temperature: 25°C  
Date: 10/27/2021  
Drawing No: 27632641 Rev: A1

| TEST ITEM NO. | PARAMETERS       | SPECIFIED VALUE                                                                     |       |          | TEST RESULTS                        | QA QC   |
|---------------|------------------|-------------------------------------------------------------------------------------|-------|----------|-------------------------------------|---------|
| 1             | Frequency Range: | 0.1 to 40 GHz                                                                       |       |          | 0.1 to 40 GHz                       | PMI QA2 |
| 2             | Insertion Loss:  | 4.0 dB (0.1 TO 18 GHz) Max.<br>7.0 dB (18 TO 40 GHz) Max.                           |       |          | 2.87 dB                             |         |
|               |                  |                                                                                     |       |          | 5.77 dB                             |         |
|               |                  |                                                                                     |       |          | See Graph                           |         |
| 3             | VSWR:            | 2.0:1 (0.1 TO 18GHz) Max.<br>2.25:1 (18 TO 40 GHz) Max.                             |       |          | 1.93 :1                             |         |
|               |                  |                                                                                     |       |          | 2.24 :1                             |         |
|               |                  |                                                                                     |       |          | See Graph                           |         |
| 4             | Isolation:       | 70 dB (0.1 TO 1 GHz) Typ<br>100 dB (1 TO 18 GHz) Typ.<br>100 dB (18 TO 40 GHz) Typ. |       |          | 98.89 dB                            |         |
|               |                  |                                                                                     |       |          | 102.18 dB                           |         |
|               |                  |                                                                                     |       |          | 105.06 dB                           |         |
|               |                  |                                                                                     |       |          | See Graph                           |         |
| 5             | Input Power:     | +20 dBm CW Max.                                                                     |       |          | Pass<br>See Typical Characteristics |         |
| 6             | Switching Speed: | 50 ns Max.                                                                          |       |          | Pass<br>See Typical Characteristics |         |
| 7             | DC Supply:       | +5 VDC @ 200 mA Max.<br>-5 VDC @ 200 mA Max.                                        |       |          | +5 VDC @ 143 mA<br>-5 VDC @ 130 mA  |         |
| 8             | Control Signal:  | TTL LOGIC CONTROL TABLE                                                             |       |          | Pass                                | PMI QA2 |
|               |                  | CTL 2                                                                               | CTL 1 | FUNCTION |                                     |         |
|               |                  | 0                                                                                   | 0     | J1 TO J2 |                                     |         |
|               |                  | 0                                                                                   | 1     | J1 TO J3 |                                     |         |
|               |                  | 1                                                                                   | 0     | J1 TO J4 |                                     |         |
|               |                  | 1                                                                                   | 1     | J1 TO J5 |                                     |         |

QA/QC Approval: \_\_\_\_\_

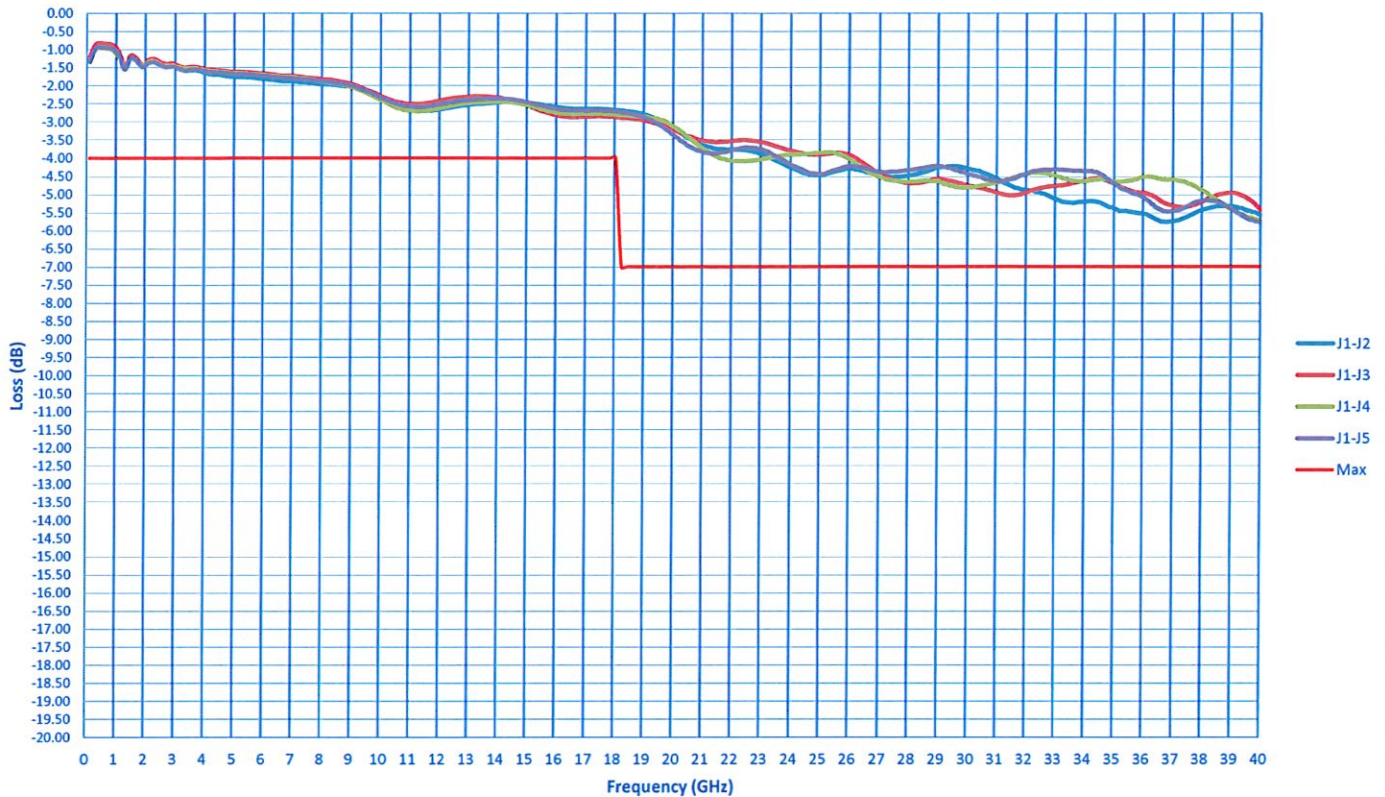
PMI  
QA2

Date: 10/28/2021

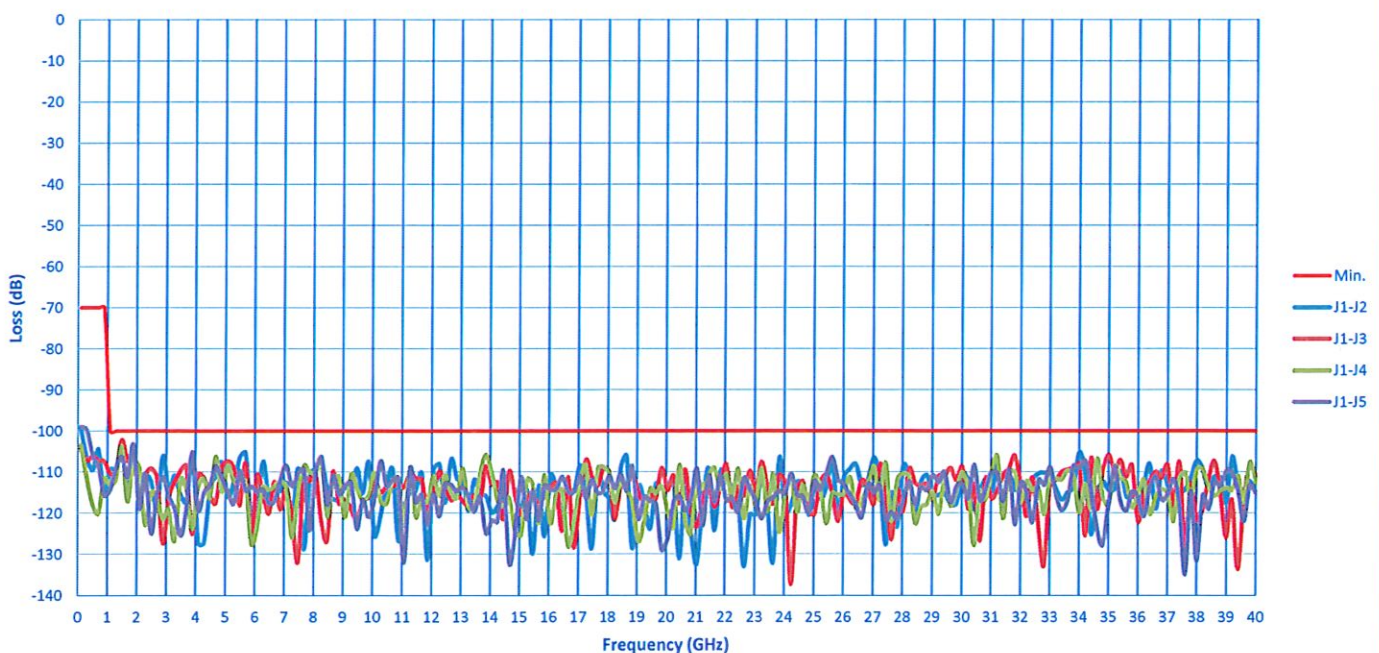


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## Insertion Loss



## Isolation

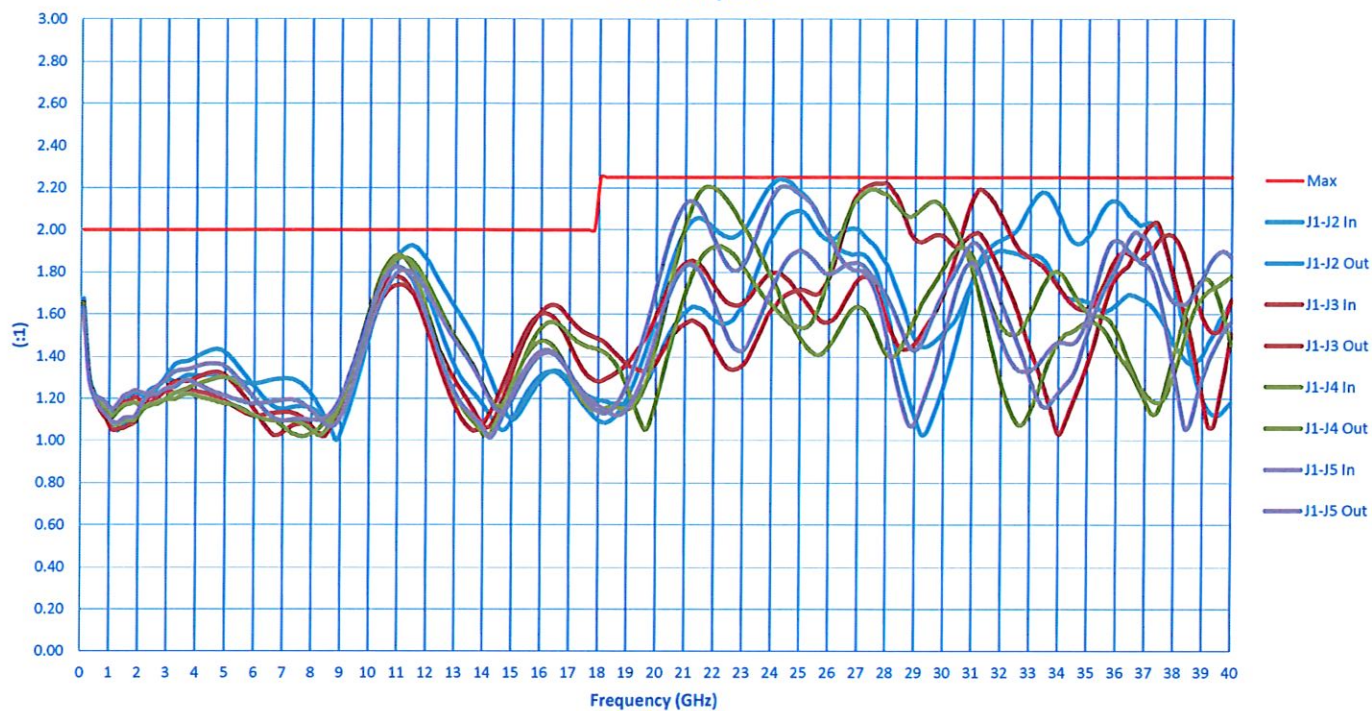






# SUMMARY TEST DATA ON P4T-100M50G-100-T-RD-292-OPT40

VSWR In/Out



VSWR Absorptive Out/OFF

