



# SUMMARY TEST DATA ON P2T-9K30G-60-R-SFF

Customer: DEMO PMI  
SO No: \_\_\_\_\_  
Model No: P2T-9K30G-60-R-SFF  
Serial No: DEMO PMI # 1

Tested By: A. Lopez  
Temperature: +25°C  
Date: 7/10/2020  
Drawing No: 27631920 Rev: A2

| TEST<br>ITEM NO. | PARAMETERS                                       | SPECIFIED VALUE                                                                                                      | TEST RESULTS                                    | QA<br>QC    |
|------------------|--------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|-------------|
|                  |                                                  |                                                                                                                      | +25°C                                           |             |
| 1                | Frequency Range:                                 | 9 KHz to 30.0 GHz                                                                                                    | 9 KHz to 30.0 GHz                               | PMI<br>QA 2 |
| 2                | Insertion Loss:<br>(Between J1 & J2/J3)          | 2.00 dB Max. (9 KHz to 10 GHz)<br>2.75 dB Max. (10 GHz to 20 GHz)<br>3.50 dB Typ. 3.80 dB Max. (20 GHz to 30 GHz)    | 1.78 dB<br>2.45 dB<br>3.33 dB<br>See Graph      | PMI<br>QA 2 |
| 3                | Isolation:<br>(Between J1 & J2/J3)               | 55 dB Min. (9 KHz to 10 GHz)<br>48 dB Min. (10 GHz to 20 GHz)<br>45 dB Min. (20 GHz to 30 GHz)                       | 59.56 dB<br>50.62 dB<br>46.58 dB<br>See Graph   | PMI<br>QA 2 |
| 4                | Isolation:<br>(Between J2 & J3)                  | 60 dB Min. (9 KHz to 10 GHz)<br>50 dB Min. (10 GHz to 20 GHz)<br>50 dB Min. (20 GHz to 30 GHz)                       | 65.96 dB<br>55.72 dB<br>54.31 dB<br>See Graph   | PMI<br>QA 2 |
| 5                | Return Loss:<br>(Between J1 & J2/J3 ON)          | 13.50 dB Min. (9 KHz to 10 GHz)<br>12.00 dB Min. (10 GHz to 20 GHz)<br>11.00 dB Min. (20 GHz to 30 GHz)              | 14.04 dB<br>13.17 dB<br>11.81 dB<br>See Graph   | PMI<br>QA 2 |
| 6                | Return Loss:<br>(J2/J3 OFF)                      | 15 dB Min. (9 KHz to 10 GHz)<br>12 dB Min. (10 GHz to 20 GHz)<br>12 dB Min. (20 GHz to 30 GHz)                       | 17.03 dB<br>16.18 dB<br>13.7 dB<br>See Graph    | PMI<br>QA 2 |
| 7                | Rise & Fall Time:<br>(10% to 90% RF)             | 1 $\mu$ s Max.                                                                                                       | Pass<br>See Typical Characteristics             | PMI<br>QA 2 |
| 8                | On & Off Time:<br>(50% Vctl to 90% of RF Output) | 3.5 $\mu$ s Typ. 4 $\mu$ s Max.                                                                                      | Pass<br>See Typical Characteristics             | PMI<br>QA 2 |
| 9                | RF Settling Time:                                | 6.2 $\mu$ s Typ. (50% Vctl to 0.1 dB of Final RF Output)<br>10 $\mu$ s Typ. (50% Vctl to 0.05 dB of Final RF Output) | Pass<br>See Typical Characteristics             | PMI<br>QA 2 |
| 10               | RF Input Power (CW)                              | +29dBm Max. (CW)                                                                                                     | Pass<br>See Typical Characteristics             | PMI<br>QA 2 |
| 11               | Hot Switching                                    | +18 dBm Typ.                                                                                                         | Pass<br>See Typical Characteristics             | PMI<br>QA 2 |
| 12               | P0.1dB:                                          | +27 dBm Typ.                                                                                                         | Pass<br>See Typical Characteristics             | PMI<br>QA 2 |
| 13               | P1dB:                                            | +28 dBm Typ.                                                                                                         | Pass<br>See Typical Characteristics             | PMI<br>QA 2 |
| 14               | OIP3                                             | +35 dBm Typ.                                                                                                         | Pass<br>See Typical Characteristics             | PMI<br>QA 2 |
| 15               | IIP3:                                            | +36 dBm Typ.                                                                                                         | Pass<br>See Typical Characteristics             | PMI<br>QA 2 |
| 16               | DC Supply:                                       | +3.3 VDC @ 300 $\mu$ A to +5VDC @ 600 $\mu$ A Max<br>-2.5 VDC @ 10 $\mu$ A Max.                                      | +3.3 VDC @ 250 $\mu$ A<br>-2.5 VDC @ 10 $\mu$ A | PMI<br>QA 2 |

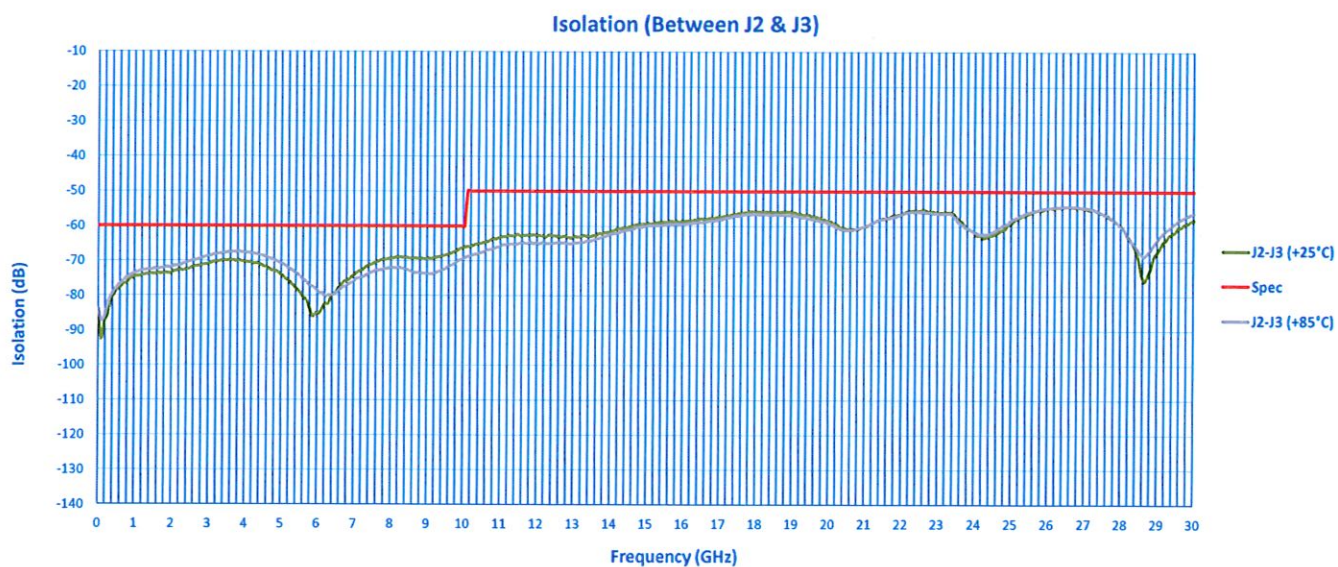
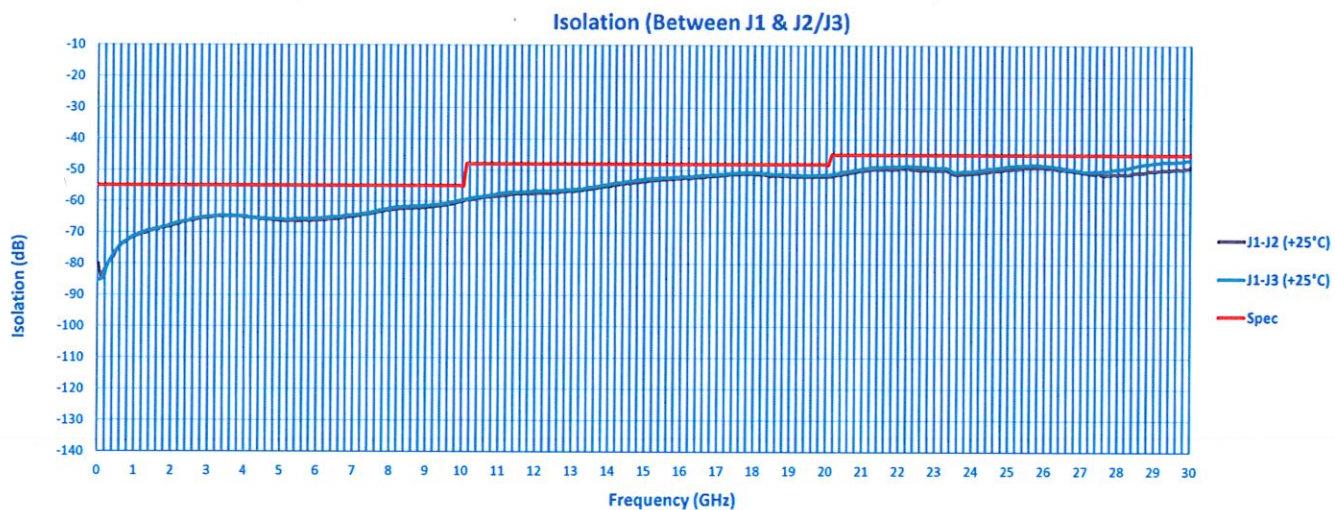
QA/QC Approval: 

PMI  
QA 2

Date: 7/10/20



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