



**SUMMARY TEST DATA**  
**ON**  
**P2T-2G18G-55-T-512-SFF-LV-SP-QB**

Customer: \_\_\_\_\_  
 SO No: \_\_\_\_\_  
 Model No: P2T-2G18G-55-T-512-SFF-LV-SP-QB  
 Serial No: PL39731/2309

Tested By: John R.  
 Temperature: +25°C  
 Date: 3/15/2023  
 Drawing No: 27633620 Rev: A1

| TEST ITEM NO | PARAMETERS          | SPECIFIED VALUE  | TEST RESULTS   | QA QC   |
|--------------|---------------------|--|--|---------|
| 1            | Frequency Range:    | 2.0 GHz - 18.0 GHz   | 2.0 GHz - 18.0 GHz   | PMI QA1 |
| 2            | Insertion Loss:     | 3.0 dB Max.  | 2.96 dB<br>See Graph   |         |
| 3            | Isolation:          | 55 dB Min.   | 76.7 dB<br>See Graph   |         |
| 4            | VSWR:               | 2.0:1 Max.   | 1.82:1 In<br>1.81 :1 Out<br>See Graph  |         |
| 5            | Input Power:        | +23 dBm CW Max. (Oper.)<br>+27 dBm CW Max. (Surv.)   | +23 dBm CW Max. (Oper.)<br>+27 dBm CW Max. (Surv.)<br>See Typical Characteristics                |         |
| 6            | Switching Speed:    | 50nsec Max<br>Ton = 50% TTL to 90% RF<br>Toff = 50% TTL to 10% RF                          | 50nsec Max<br>Ton = 50% TTL to 90% RF<br>Toff = 50% TTL to 10% RF<br>See Typical Characteristics |         |
| 7            | Switching Rate PRF: | 5 MHz  | 5 MHz<br>See Typical Characteristics   |         |
| 8            | Video Leakage:      | 50 mV Peak to Peak Max.<br>Measured @ 300 MHz BW   | 50 mV Peak to Peak Max.<br>Measured @ 300 MHz BW<br>See Typical Characteristics                  |         |
| 9            | Control Logic:      | "0" = Insertion Loss (1.6mA Max. Sink @ 0.4V)<br>"1" = Isolation (40µA Max. Source @ 2.4V) | "0" = Insertion Loss (1.6mA Max. Sink @ 0.4V)<br>"1" = Isolation (40µA Max. Source @ 2.4V)       |         |
| 10           | DC Supply:          | +5 VDC @ 80 mA<br>-12 VDC @ 80 mA  | +5 VDC @ 36 mA<br>-12 VDC @ 68 mA  | PMI QA1 |

QA/QC Approval:  \_\_\_\_\_ PMI QA1 Date: 3/17/23

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