



**SUMMARY TEST DATA  
ON  
P1T-DC40G-65-T-292FF-1NS-OPT18G-50OHM**

PL37367/2230

Customer: \_\_\_\_\_ Tested By: L. McGraw  
SO No: \_\_\_\_\_ Temperature: +25°C  
Model No: P1T-DC40G-65-T-292FF-1NS-OPT18G-50OHM Date: 07/29/21  
Serial No: PL37367/2230 Drawing No: 27630283 Rev: A1

| TEST. ITEM NO | PARAMETERS       | SPECIFIED VALUE   | TEST RESULTS                              | QA QC      |
|---------------|------------------|---|---|------------|
| 1             | Frequency Range  | DC to 18 GHz  | DC to 18 GHz<br>See Plot                  | PMI<br>QA2 |
| 2             | Isolation        | 60 dB Typ, 55 dB Min  | 61dB<br>See Plot                          |            |
| 3             | Insertion Loss:  | 4.5 dB Typ, 5.0 dB Max  | 4.1dB<br>See Plot                         |            |
| 4             | VSWR In/Out      | 2.0:1 Typ, 2.2:1 Max  | 1.9:1<br>See Plot                         |            |
| 5             | Input Power      | +17 dBm CW Max  | Pass                                      |            |
| 6             | Switching Speed  | 6 ns Typ, 7 ns Max  | 2.7ns<br>See Typical Characteristics      |            |
| 7             | Rise/Fall Time   | 1 ns Typ, 2 ns Max  | 0.6ns<br>See Typical Characteristics      |            |
| 8             | Control Signal   | TTL "1" On  | Pass                                      |            |
| 9             | Video Transients | 300 MHz BW (2 to 18 GHz) : 85 mV P-P<br>20 MHz BW (2 to 18 GHz) : 15 mV P-P | Pass                                      |            |
| 10            | DC Voltage       | +8 to +15 V @ 15 mA Max<br>-8 to -15 V @ 40 mA Max                          | +8 to +15 V @ 6 mA<br>-8 to -15 V @ 27 mA | PMI<br>QA2 |

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

PMI  
QA2

Date: \_\_\_\_\_

8/8/2022

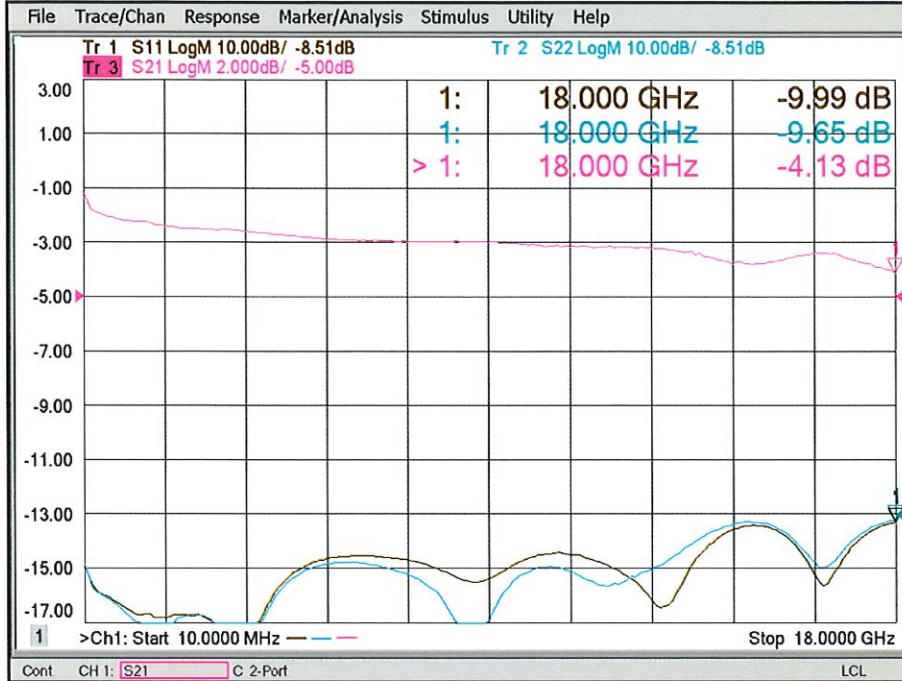
7311-F Grove Road Frederick, MD 21704 USA Phone: (301)662-5019 Fax: (301)662-1731  
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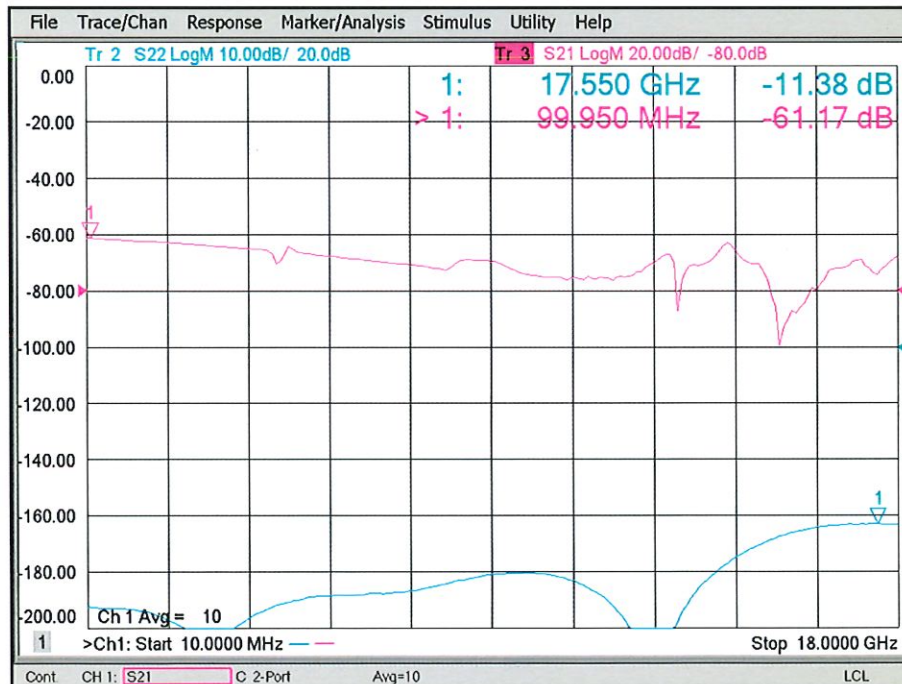
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**Insertion Loss and Return Loss (J1 – J2)**



**Isolation and Termination (J1 – J2)**



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