



**SUMMARY TEST DATA**  
**ON**  
**LM-0518-10-1W-SHS-2-M-1218**

Customer: \_\_\_\_\_  
SO No: \_\_\_\_\_  
Model No: LM-0518-10-1W-SHS-2-M-1218  
Serial No: PL49272/2440

Tested By: John Berrocal  
Temperature: +25°C  
Date: 9/26/2024  
Drawing No: 27610986 REV: A1

| TEST<br>ITEM NO. | PARAMETERS                         | SPECIFIED VALUE                                                                              | Test Results                           | QA<br>QC   |
|------------------|------------------------------------|----------------------------------------------------------------------------------------------|----------------------------------------|------------|
| 1                | Frequency Range:                   | 12 GHz to 18 GHz                                                                             | 12 GHz to 18 GHz                       | PMI<br>QA4 |
| 2                | Insertion Loss:<br>@ -20 dBm Input | 2.0 dB Max.<br>1.5 dB Typ.                                                                   | 1.7 dB<br>See Graph                    |            |
| 3                | VSWR:<br>@ -20 dBm Input           | 2.0:1 Max.<br>1.5:1 Typ.                                                                     | 1.89:1 In<br>1.91:1 Out<br>See Graph   |            |
| 4                | Leakage:<br>@ 1 Watt CW Input      | +14 dBm Max.<br>+10 dBm Typ.                                                                 | +13 dBm<br>See Typical Characteristics |            |
| 5                | Speed:                             | 10 ns                                                                                        | <10 ns<br>See Typical Characteristics  |            |
| 6                | Input Power:                       | 1 Watt CW, 100 Watts<br>Peak, 1 $\mu$ s Pulse, 0.1%<br>Duty Cycle, Derated to<br>20% @ 125°C | Pass<br>See Typical Characteristics    |            |
| 7                | Limiting Threshold:                | +10 dBm Typ.                                                                                 | + 4 dBm<br>See Graph                   | PMI<br>QA4 |

QA/QC Approval:

*Cameron Kelly*

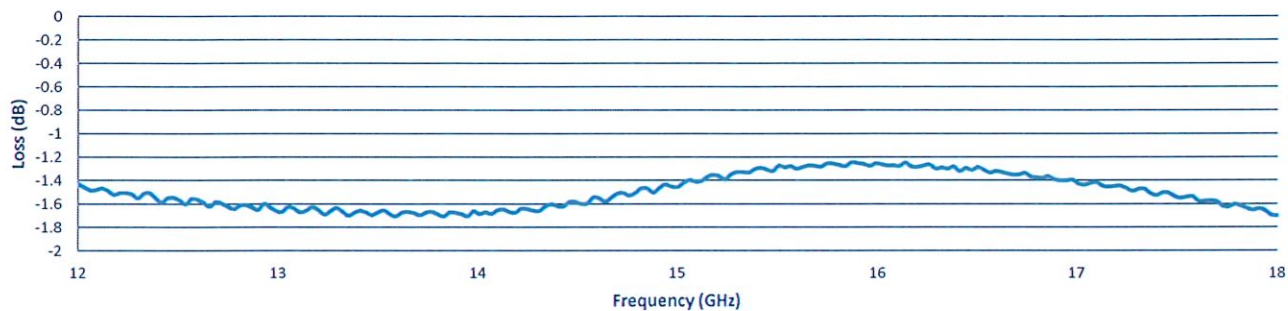
Date:

9/26/24

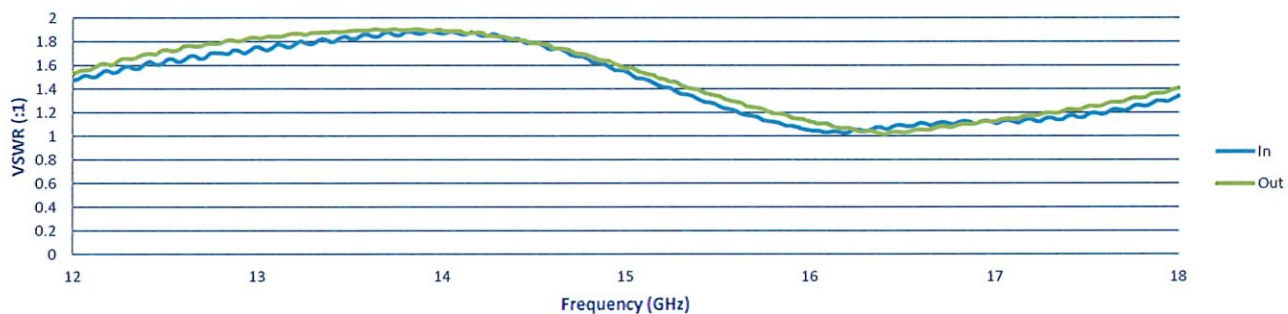
# SUMMARY TEST DATA ON LM-0518-10-1W-SHS-2-M-1218

PL49272/2440

**Insertion Loss @ -20 dB**



**VSWR @ -20 dB**



**Limiter Response with Frequency**

