

# SUMMARY TEST DATA ON LM-0518-10-1W-SHS-1-F

Customer: \_\_\_\_\_  
 SO No: \_\_\_\_\_  
 Model No: LM-0518-10-1W-SHS-1-F  
 Serial No: 23630  
 Part No: \_\_\_\_\_

Tested By: K Craven  
 Temperature: +25°C  
 Date: 5/23/2022  
 Drawing No: 27610986 REV: A1

| TEST<br>ITEM NO. | PARAMETERS                         | SPECIFIED VALUE                                                                              | Test Results                           | QA<br>QC    |
|------------------|------------------------------------|----------------------------------------------------------------------------------------------|----------------------------------------|-------------|
| 1                | Frequency Range:                   | 0.5 GHz to 18 GHz                                                                            | 0.5 GHz to 18 GHz                      | PMI<br>QA 2 |
| 2                | Insertion Loss:<br>@ -20 dBm Input | 2.0 dB Max.<br>1.5 dB Typ.                                                                   | 1.71 dB<br>See Plot                    |             |
| 3                | VSWR:<br>@ -20 dBm Input           | 2.0:1 Max.<br>1.5:1 Typ.                                                                     | 1.69:1<br>See Plot                     |             |
| 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.                                                                                 | 7.3 dBm<br>See Plot                    | PMI<br>QA 2 |

QA/QC Approval:



PMI  
QA 2

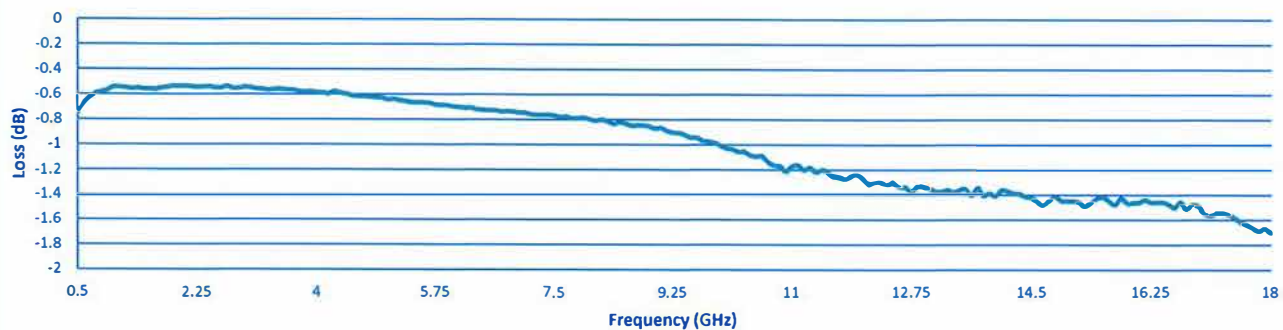
Date:

5/24/2022

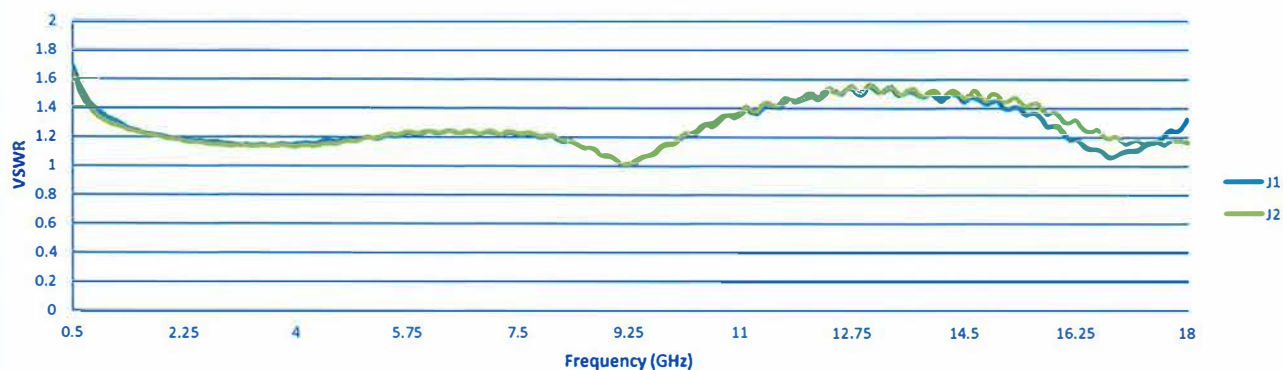
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23630

## Insertion Loss @ -20 dB



## VSWR @ -20 dB



## Limiter Response with Frequency

