



SUMMARY TEST DATA  
ON  
LM-10M18G-16-20W-RAD-OPT418

Customer: \_\_\_\_\_  
SO No: \_\_\_\_\_  
Model No: LM-10M18G-16-20W-RAD-OPT418  
Serial No: PL44015/2404

Tested By: John R.  
Temperature: +25°C  
Date: 2/8/2024  
Drawing No: 27647380

REV: A1

| TEST<br>ITEM NO. | PARAMETERS            | SPECIFIED VALUE                             | Test Results                         | QA<br>QC   |
|------------------|-----------------------|---------------------------------------------|--------------------------------------|------------|
| 1                | Frequency Range:      | 4 GHz to 18 GHz                             | 4 GHz to 18 GHz                      | PMI<br>QA4 |
| 2                | Insertion Loss:       | 2.0 dB Max.<br>@ -10 dBm Input Power        | 1.58 dB<br>See Graph                 |            |
| 3                | Leakage Power:        | +15dBm Typ.                                 | Pass<br>See Typical Characteristics  |            |
| 4                | Impedance:            | 50 Ohms                                     | Pass<br>See Typical Characteristics  |            |
| 5                | Recovery Time (3 dB): | 250 ns Max.                                 | Pass<br>See Typical Characteristics  |            |
| 6                | VSWR:                 | 2.0:1 Max.<br>@ -10 dBm Input Power         | 1.85:1 In<br>1.87:1 Out<br>See Graph |            |
| 7                | RF Power Handling:    | 20 W CW Max.                                | Pass<br>See Typical Characteristics  |            |
|                  |                       | 500W Peak Max.<br>(10 $\mu$ s PW, 1kHz PRF) | Pass<br>See Typical Characteristics  | PMI<br>QA4 |
| 8                | Limiting Threshold:   | + 5 dBm Nom.<br>(1 dB Compression)          | + 9 dBm<br>See Graph                 |            |

QA/QC Approval:

*Cameron Kelley* PMI  
QA4

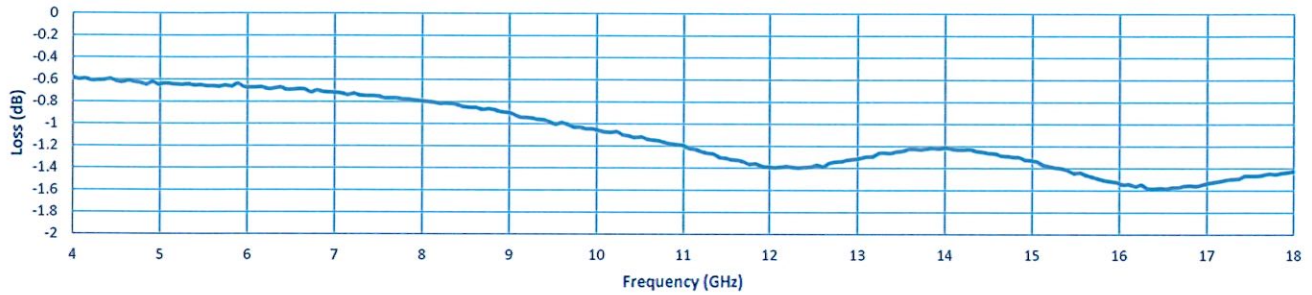
Date:

02/08/24

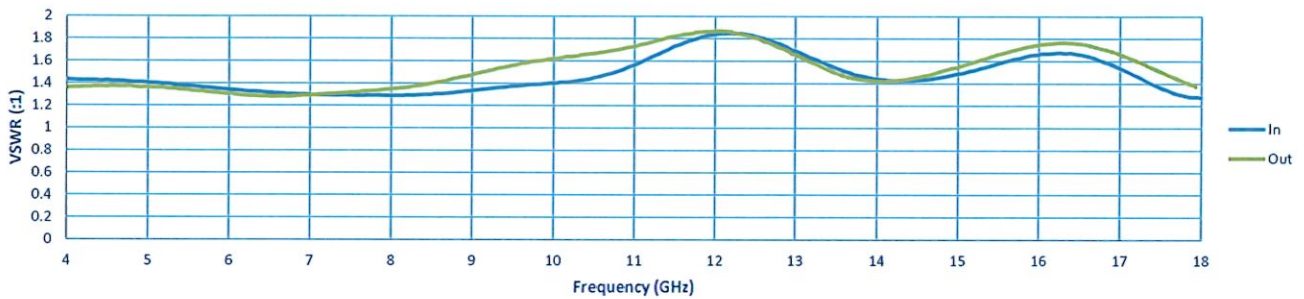
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PL44015/2404

Insertion Loss



VSWR



Limiter Response with Frequency

