

**SUMMARY TEST DATA**  
**ON**  
**LM-10M14G-100W-1KWP-SFF-OPT17**

Customer: \_\_\_\_\_  
SO No: \_\_\_\_\_  
Model No: LM-10M14G-100W-1KWP-SFF-OPT17  
Serial No: PL45956/2419

Tested By: K Craven  
Temperature: +25°C  
Date: 5/7/2024  
Drawing No: 27637020 REV: B1

| TEST<br>ITEM NO. | PARAMETERS                          | SPECIFIED VALUE                                                                                          | Test Results                         | QA<br>QC           |
|------------------|-------------------------------------|----------------------------------------------------------------------------------------------------------|--------------------------------------|--------------------|
| 1                | Frequency Range:                    | 10 MHz to 7 GHz                                                                                          | 10 MHz to 7 GHz                      | <b>PMI<br/>QA4</b> |
| 2                | Insertion Loss:                     | 2 dB Typ.                                                                                                | 1.01 dB<br>See Graph                 |                    |
| 3                | Input/Output VSWR:                  | 2.0:1 Max.<br>@ -10 dBm Input                                                                            | 1.81:1 In<br>1.68:1 Out<br>See Graph |                    |
| 4                | Impedance:                          | 50 $\Omega$                                                                                              | Pass                                 |                    |
| 5                | Max. CW Input Power:                | 100W CW Max. (1.0 GHz to 7.0 GHz)<br>All Temperatures (-55°C to +85°C)                                   | Pass<br>See Typical Characteristics  |                    |
| 6                | Max. Pulsed Peak<br>Power Handling: | 1KW Peak (1% Duty Cycle, 1 $\mu$ s Pulse Width)<br>100W Peak (10% Duty Cycle, 10 $\mu$ s Pulse<br>Width) | Pass<br>See Typical Characteristics  |                    |
| 7                | Max. Flat Leakage:                  | +17 dBm Typ.<br>@ 100W CW                                                                                | Pass<br>See Typical Characteristics  |                    |
| 8                | P1dB:                               | + 5 dBm Min.                                                                                             | + 6 dBm<br>See Graph                 |                    |
| 9                | Recovery Time:                      | 100 ns Max.                                                                                              | Pass<br>See Typical Characteristics  | <b>PMI<br/>QA4</b> |

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

*Cameron Kelley*

Date: 05/08/2024

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