



SUMMARY TEST DATA ON LM-2G18G-18-20W-1KWP-SFF

Customer: _____
 SO No: _____
 Model No: LM-2G18G-18-20W-1KWP-SFF
 Serial No: PL32964/2128

Tested By: John R
 Date: 7/16/2021
 Drawing No: 27636740 REV: B1

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	Test Results			QA QC
			+25°C	-44°C	+78°C	
1	Frequency Range:	2.0 to 18.0 GHz	2.0 to 18.0 GHz	2.0 to 18.0 GHz	2.0 to 18.0 GHz	PMI QA 2
2	RF Input Power:	+43 dBm CW Maximum	Pass See Typical Characteristics	Pass See Typical Characteristics	Pass See Typical Characteristics	
3	Peak Input Power:	+50 dBm Maximum @10% Duty Cycle & 40µs Pulse Width	Pass See Typical Characteristics	Pass See Typical Characteristics	Pass See Typical Characteristics	
4	Limiting Threshold (P1dB):	+5 dBm Minimum	+8 dBm See Plot	> 5 dBm See Typical Characteristics	> 5 dBm See Typical Characteristics	
5	RF Leakage:	+18 dBm Flat & Spike Maximum	Pass See Typical Characteristics	<18 dBm See Typical Characteristics	<18 dBm See Typical Characteristics	
6	Recovery Time:	100 ns Maximum	<100 ns See Typical Characteristics	<100 ns See Typical Characteristics	<100 ns See Typical Characteristics	
7	Insertion Loss:	2.6 dB Maximum (@ -10 dBm Input Power)	1.96 dB See Plot	Pass See Typical Characteristics	Pass See Typical Characteristics	
8	VSWR:	2.0:1 Maximum (Input/Output) (@ -10 dBm Input Power)	1.82:1 See Plot	Pass See Typical Characteristics	Pass See Typical Characteristics	
9	Insertion Phase:	Measured at an Input Power Level of 0 dBm. Will be within ± 2.0 Degrees relative to the Phase Measured at Input Power Levels less than or equal to 0 dBm	±0.78 Degrees See Plot	Pass See Typical Characteristics	Pass See Typical Characteristics	
10	Mechanical Outline	See Outline Drawing Pass / Fail	Pass	X	X	
11	Weight:	3.0 OZ Maximum	Pass	X	X	
12	Seal	See Attached Seal Data Pass / Fail FINE LEAK: 1 X 10 ⁻⁶ ATM-cc/sec	Pass	X	X	

QA/QC Approval: 

PMI QA 2

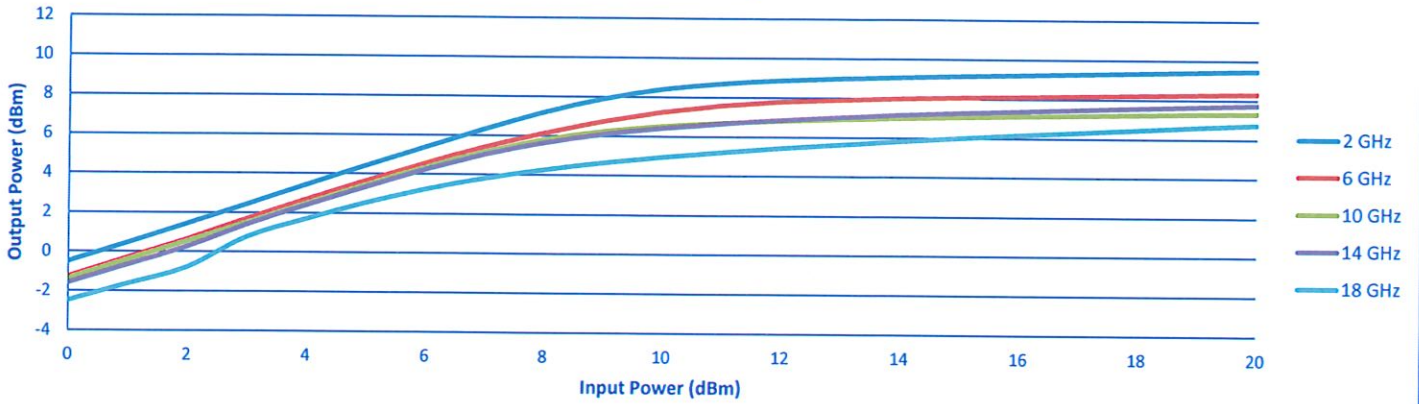
Date: 7/19/2021



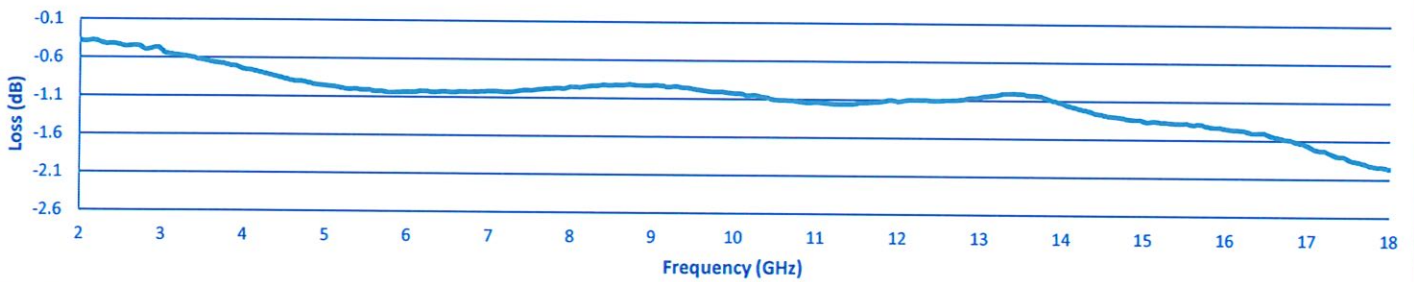
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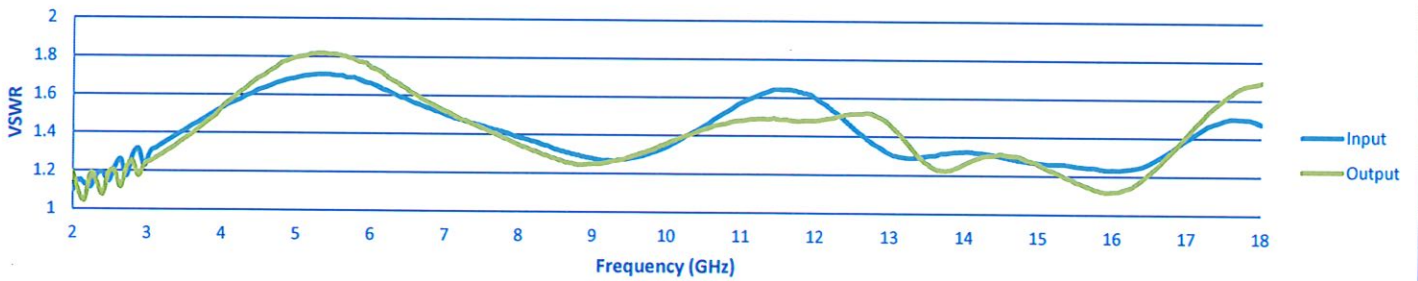
Limiting



Insertion Loss



VSWR



Insertion Phase

