

**SUMMARY TEST DATA
ON
DTA-13G14G-40-8-CD-1-20DBM**

Customer: _____ Tested By: K. Mansfield
 Job No: _____ Date: Thursday, May 9, 2024
 Model No: DTA-13G14G-40-8-CD-1-20DBM Temperature: +25° C
 Serial No: PL45999/2419 Drawing No: 27636480 Rev: A1

Test Item No.	Parameters	Specified Value	Test Results	QA QC	
1	Frequency Range:	13 GHz – 14 GHz	13 GHz – 14 GHz	PMI QA2	
2	Insertion Loss:	5.0 dB Max.	3.2 dB See Plot		
3	VSWR:	2.0:1 Max.	1.7:1 See Plot		
4	Step Size:	0.25 dB (LSB)	0.24 dB		
5	Adjustment Step Size Accuracy:	± 0.125 dB	± 0.11 dB		
6	Phase Variation Vs Attenuation Step Size:	1.5° / dB Typ. 2.0° / dB Max.	1.4° / dB		
7	Input 0.1 dB Compression Point:	+20 dBm Min.	> +20 dBm		
8	Monotonicity:	Guaranteed	Pass		
9	Switching Speed:	1.0 µs Max. On 0.5 µs Max Off	See Typical Characteristics		
10	DC Power Supply:	+12 V @ 150 mA Max.	175 mA @ +12 V 142 mA @ +15 V		PMI QA2

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.25	0.24	0.01	0.02
0.50	0.48	0.02	0.02
1.00	0.98	0.02	0.03
2.00	1.96	0.04	0.04
4.00	3.93	0.07	0.03
8.00	7.93	0.07	0.04
16.00	15.89	0.11	0.09
32.00	31.84	0.16	0.18

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.80	0.20	0.03
10.00	9.92	0.08	0.05
15.00	14.85	0.15	0.08
20.00	19.90	0.10	0.11
25.00	24.83	0.17	0.13
30.00	29.87	0.13	0.17
35.00	34.87	0.13	0.22
40.00	39.77	0.23	0.31

QA/QC Approval:  _____

PMI
QA2

Date: 5/9/2024

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