



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

Customer: _____
 Job No: _____
 Model No: DTA-13G14G-40-8-CD-1-20DBM
 Serial No: PL51271/2505

Tested By: A. Mousavi
 Date: Wednesday, January 29, 2025
 Temperature: +25° C
 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 QA4	
2	Insertion Loss:	5.0 dB Max.	3.5 dB See Plot	PMI QA4	
3	VSWR:	2.0:1 Max.	1.7:1 See Plot		
4	Step Size:	0.25 dB (LSB)	0.25 dB		
5	Adjustment Step Size Accuracy:	± 0.125 dB	± 0.142 dB		
6	Phase Variation Vs Attenuation Step Size:	1.5° / dB Typ. 2.0° / dB Max.	1.3° / 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.	150 mA		PMI QA4

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.25	0.25	0.00	0.01
0.50	0.51	-0.01	0.01
1.00	1.01	-0.01	0.02
2.00	2.03	-0.03	0.04
4.00	4.11	-0.11	0.03
8.00	8.27	-0.27	0.04
16.00	16.60	-0.60	0.07
32.00	33.20	-1.20	0.07

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.99	0.01	0.03
10.00	10.35	-0.35	0.04
15.00	15.50	-0.50	0.06
20.00	20.77	-0.77	0.07
25.00	25.90	-0.90	0.07
30.00	31.14	-1.14	0.07
35.00	36.23	-1.23	0.05
40.00	41.40	-1.40	0.07

QA/QC Approval: *Carmen Klein*

Date: 1/29/25

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ON
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