



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: PL28508/2013

Tested By: K. Mansfield
 Date: Tuesday, March 24, 2020
 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 QA1
2	Insertion Loss:	5.0 dB Max.	3.2 dB See Plot	
3	VSWR:	2.0:1 Max.	1.9:1 See Plot	
4	Step Size:	0.25 dB (LSB)	0.25 dB	
5	Adjustment Step Size Accuracy:	± 0.125 dB	± 0.104 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:	Guarenteed	Pass	
9	Switching Speed:	1.0 µs Max. On 0.5 µs Max Off	< 0.5 µs On < 0.4 µs Off See Typical Characteristics	
10	DC Power Supply:	+12 V @ 150 mA Max.	146 mA	PMI QA1

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.25	0.27	-0.02	0.00
0.50	0.53	-0.03	0.01
1.00	1.03	-0.03	0.03
2.00	2.04	-0.04	0.07
4.00	4.07	-0.07	0.10
8.00	8.13	-0.13	0.13
16.00	16.29	-0.29	0.12
32.00	32.58	-0.58	0.10

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.97	0.03	0.11
10.00	10.18	-0.18	0.13
15.00	15.22	-0.22	0.13
20.00	20.37	-0.37	0.12
25.00	25.41	-0.41	0.11
30.00	30.54	-0.54	0.09
35.00	35.62	-0.62	0.12
40.00	40.61	-0.61	0.18

QA/QC Approval: 

PMI
QA1

Date: _____



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