



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: PL25706/1923

Tested By: K. Mansfield
 Date: Tuesday, June 04, 2019
 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 QA 1	
2	Insertion Loss:	5.0 dB Max.	4.1 dB See Plot		
3	VSWR:	2.0:1 Max.	1.6:1 See Plot		
4	Step Size:	0.25 dB (LSB)	0.24 dB		
5	Adjustment Step Size Accuracy:	± 0.125 dB	± 0.093 dB		
6	Phase Variation Vs Attenuation Step Size:	1.5° / dB Typ. 2.0° / dB Max.	1.2° / 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	< 0.5 µs On < 0.4 µs Off See Typical Characteristics		
10	DC Power Supply:	+12 V @ 150 mA Max.	145 mA		PMI QA 1

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.25	0.24	0.01	0.01
0.50	0.49	0.01	0.01
1.00	0.99	0.01	0.01
2.00	1.98	0.02	0.02
4.00	3.98	0.02	0.03
8.00	7.98	0.02	0.04
16.00	15.99	15.99	0.06
32.00	32.03	-0.03	0.12

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.84	0.16	0.04
10.00	9.98	0.02	0.04
15.00	14.92	0.08	0.05
20.00	20.00	0.00	0.07
25.00	24.95	0.05	0.07
30.00	30.01	-0.01	0.09
35.00	35.01	-0.01	0.16
40.00	40.09	-0.09	0.21

QA/QC Approval:  PMI
QA 1

Date: 6/5/19



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