



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: PL28510/2013

Tested By: K. Mansfield
 Date: Wednesday, March 25, 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 QA 1	
2	Insertion Loss:	5.0 dB Max.	3.1 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	± 0.124 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.	146 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	0.98	0.02	0.01
2.00	1.96	0.04	0.01
4.00	3.97	0.03	0.02
8.00	8.00	0.00	0.04
16.00	16.13	-0.13	0.08
32.00	32.56	-0.56	0.13

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.85	0.15	0.02
10.00	10.02	-0.02	0.05
15.00	15.06	-0.06	0.08
20.00	20.24	-0.24	0.09
25.00	25.31	-0.31	0.11
30.00	30.53	-0.53	0.11
35.00	35.63	-0.63	0.18
40.00	40.70	-0.70	0.26

QA/QC Approval: *[Signature]* PMI QA 1

Date: 3/25/20



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