



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: PL28507/2013

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 QA 1	
2	Insertion Loss:	5.0 dB Max.	3.1 dB See Plot		
3	VSWR:	2.0:1 Max.	1.8:1 See Plot		
4	Step Size:	0.25 dB (LSB)	0.25 dB		
5	Adjustment Step Size Accuracy:	± 0.125 dB	± 0.105 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.	142 mA		PMI QA 1

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.25	0.25	0.00	0.00
0.50	0.50	0.00	0.01
1.00	1.01	-0.01	0.02
2.00	2.01	-0.01	0.06
4.00	4.02	-0.02	0.08
8.00	8.05	-0.05	0.10
16.00	16.13	-0.13	0.11
32.00	32.33	-0.33	0.10

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.91	0.09	0.08
10.00	10.08	-0.08	0.11
15.00	15.07	-0.07	0.11
20.00	20.18	-0.18	0.11
25.00	25.19	-0.19	0.10
30.00	30.30	-0.30	0.11
35.00	35.32	-0.32	0.08
40.00	40.35	-0.35	0.15

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

Date: 3/25/20



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