



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: PL25714/1923

Tested By: K. Mansfield
 Date: Wednesday, June 05, 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.	3.3 dB See Plot		
3	VSWR:	2.0:1 Max.	1.8:1 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.	1.4° / 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.	139 mA		PMI QA 1

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness
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	1.99	0.01	0.03
4.00	3.99	0.01	0.06
8.00	7.97	0.03	0.08
16.00	15.96	15.96	0.14
32.00	31.92	0.08	0.27

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness
dB	dB	dB	dB
5.00	4.87	0.13	0.07
10.00	9.96	0.04	0.10
15.00	14.89	0.11	0.14
20.00	19.94	0.06	0.16
25.00	24.88	0.12	0.19
30.00	29.92	0.08	0.23
35.00	34.89	0.11	0.31
40.00	39.80	0.20	0.35

QA/QC Approval:  PMI QA 1

Date: 6/5/19



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