



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: PL25712/1923

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.	4 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	± 0.09 dB		
6	Phase Variation Vs Attenuation Step Size:	1.5° / dB Typ. 2.0° / dB Max.	1.1° / 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	0.99	0.01	0.02
2.00	1.98	0.02	0.01
4.00	3.99	0.01	0.02
8.00	8.03	-0.03	0.05
16.00	16.09	16.09	0.13
32.00	32.10	-0.10	0.20

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.85	0.15	0.02
10.00	10.04	-0.04	0.08
15.00	15.02	-0.02	0.12
20.00	20.10	-0.10	0.15
25.00	25.03	-0.03	0.16
30.00	30.08	-0.08	0.14
35.00	35.05	-0.05	0.23
40.00	40.02	-0.02	0.29

QA/QC Approval: PMI QA 1

Date: 6/5/19



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