



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: PL28157/2012

Tested By: K. Mansfield
 Date: Wednesday, March 18, 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	
2	Insertion Loss:	5.0 dB Max.	3.2 dB See Plot	
3	VSWR:	2.0:1 Max.	1.9:1 See Plot	
4	Step Size:	0.25 dB (LSB)	0.26 dB	
5	Adjustment Step Size Accuracy:	± 0.125 dB	± 0.086 dB	
6	Phase Variation Vs Attenuation Step Size:	1.5° / dB Typ. 2.0° / dB Max.	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.	149 mA	

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.25	0.21	0.04	0.00
0.50	0.44	0.06	0.01
1.00	0.94	0.06	0.01
2.00	1.91	0.09	0.03
4.00	3.90	0.10	0.05
8.00	7.92	0.08	0.07
16.00	16.07	-0.07	0.13
32.00	32.55	-0.55	0.25

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.81	0.19	0.06
10.00	9.95	0.05	0.09
15.00	14.99	0.01	0.13
20.00	20.18	-0.18	0.17
25.00	25.28	-0.28	0.21
30.00	30.51	-0.51	0.22
35.00	35.67	-0.67	0.24
40.00	40.91	-0.91	0.21

QA/QC Approval: _____

Scott F. Kelly

Date: 3-19-2020



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