



## 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: PL28509/2013

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 QA1	
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	± 0.119 dB		
6	Phase Variation Vs Attenuation Step Size:	1.5° / dB Typ. 2.0° / dB Max.	1.3° / 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.	144 mA		PMI QA1

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.25	0.25	0.00	0.01
0.50	0.50	0.00	0.01
1.00	1.00	0.00	0.02
2.00	2.02	-0.02	0.05
4.00	4.06	-0.06	0.07
8.00	8.22	-0.22	0.09
16.00	16.69	-0.69	0.07
32.00	33.86	-1.86	0.10

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.97	0.03	0.07
10.00	10.32	-0.32	0.09
15.00	15.57	-0.57	0.07
20.00	20.94	-0.94	0.07
25.00	26.27	-1.27	0.08
30.00	31.72	-1.72	0.09
35.00	37.06	-2.06	0.14
40.00	42.31	-2.31	0.30

QA/QC Approval: *[Signature]*

PMI  
QA1

Date: 3/25/20



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