



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: PL32868/2127

Tested By: K. Wagaman
 Date: Wednesday, July 07, 2021
 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 QA2	
2	Insertion Loss:	5.0 dB Max.	2.9 dB See Plot		
3	VSWR:	2.0:1 Max.	1.4:1 See Plot		
4	Step Size:	0.25 dB (LSB)	0.25 dB		
5	Adjustment Step Size Accuracy:	± 0.125 dB	± 0.098 dB		
6	Phase Variation Vs Attenuation Step Size:	1.5° / dB Typ. 2.0° / dB Max.	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.	149 mA		PMI QA2

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.25	0.24	0.01	0.00
0.50	0.48	0.02	0.01
1.00	0.98	0.02	0.01
2.00	1.95	0.05	0.02
4.00	3.94	0.06	0.04
8.00	7.95	0.05	0.08
16.00	16.06	-0.06	0.15
32.00	32.45	-0.45	0.19

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.82	0.18	0.04
10.00	9.97	0.03	0.10
15.00	14.98	0.02	0.14
20.00	20.14	-0.14	0.17
25.00	25.19	-0.19	0.18
30.00	30.40	-0.40	0.19
35.00	35.50	-0.50	0.20
40.00	40.67	-0.67	0.18

QA/QC Approval:  PMI QA2

Date: 7/7/2021



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