



SUMMARY TEST DATA ON DTA-14G40G-32-CD-2

Customer: _____
 Job No: _____
 Model No: DTA-14G40G-32-CD-2
 Serial No: PL49316/2439

Tested By: K. Mansfield
 Date: Friday, September 27, 2024
 Temperature: +25° C
 Drawing No: 27621695 Rev: A2

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	RESULTS	QA QC	
1	Frequency Range:	14 GHz to 40 GHz Optimized 14 GHz to 31 GHz	14 GHz to 31 GHz	PMI QA4	
2	Insertion Loss:	9.0 dB Typ.	8 dB See Plot		
3	VSWR:	2.0:1 Typ.	1.8:1 See Plot		
4	Flatness @ 8 dB:	± 1.5 dB Typ.	±0.55 dB See Plot		
6	Flatness @ 16 dB:	± 1.5 dB Typ.	±1.05 dB See Plot		
7	Flatness @ 32 dB:	± 1.5 dB Typ.	±1.29 dB See Plot		
8	Accuracy of Attenuation 0 to 8 dB:	± 2.0 dB Typ.	±0.35 dB See Plot		
9	Accuracy of Attenuation 8 to 16 dB:	± 2.0 dB Typ.	±0.07 dB See Plot		
10	Accuracy of Attenuation 16 to 32 dB:	± 2.0 dB Typ.	±0.07 dB See Plot		
11	Switching Speed:	1.0 µs Max. On 0.5 µs Max. Off	See Typical Characteristics		
12	DC Supply:	+15 VDC @ 100 mA Max.	40 mA		PMI QA4

Programed Attenuation dB	Attenuation dB	Accuracy of Attenuation dB	Flatness dB
			±dB
0.16	0.05	0.11	0.01
0.32	0.11	0.21	0.02
0.64	0.29	0.35	0.03
1.28	1.26	0.02	0.09
2.56	2.52	0.04	0.16
5.12	5.07	0.05	0.34
10.24	10.19	0.05	0.72
20.48	20.46	0.02	1.20

Programed Attenuation dB	Attenuation dB	Accuracy of Attenuation dB	Flatness dB
			±dB
4.00	3.94	0.06	0.26
8.00	7.93	0.07	0.55
12.00	11.94	0.06	0.83
16.00	15.93	0.07	1.05
20.00	19.98	0.02	1.19
24.00	24.02	-0.02	1.28
28.00	28.02	-0.02	1.30
32.00	32.07	-0.07	1.29

QA/QC Approval: *Camuray Keleng*

Date: 10/1/24



