

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

Customer: _____
 Job No: _____
 Model No: DTA-14G40G-32-CD-2
 Serial No: PL49315/2439

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.	8.2 dB See Plot	
3	VSWR:	2.0:1 Typ.	1.7:1 See Plot	
4	Flatness @ 8 dB:	± 1.5 dB Typ.	±0.57 dB See Plot	
6	Flatness @ 16 dB:	± 1.5 dB Typ.	±1.04 dB See Plot	
7	Flatness @ 32 dB:	± 1.5 dB Typ.	±1.42 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.	±0.06 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	0.02
0.32	0.11	0.21	0.02
0.64	0.29	0.35	0.03
1.28	1.27	0.01	0.09
2.56	2.53	0.03	0.17
5.12	5.09	0.03	0.36
10.24	10.21	0.03	0.73
20.48	20.48	0.00	1.22

Programed Attenuation dB	Attenuation dB	Accuracy of Attenuation dB	Flatness dB ±dB
4.00	3.95	0.05	0.27
8.00	7.93	0.07	0.57
12.00	11.97	0.03	0.83
16.00	15.96	0.04	1.04
20.00	20.02	-0.02	1.20
24.00	24.02	-0.02	1.32
28.00	28.06	-0.06	1.41
32.00	32.02	-0.02	1.42

QA/QC Approval: *Camrany Kelong*

Date: 10/1/24



