

**SUMMARY TEST DATA
ON
DTA-100M40G-15DB-10BIT**

Customer: _____
Job No: _____
Model No: DTA-100M40G-15DB-10BIT
Serial No: PL53115/2521

Tested By: J. Escano/M. Sharif
Date: Tuesday, May 27, 2025
Temperature: +25° C
Drawing No: 27649240 Rev: A2

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	RESULTS	QA QC
1	Frequency Range:	100 MHz to 40 GHz	100 MHz to 40 GHz	PMI QA4
2	Mean Attenuation Range:	16 dB	15.8 dB	
3	Insertion Loss:	3.0 dB Typ. (up to 20 GHz) 6.0 dB Typ. (up to 40 GHz)	3.18 dB (up to 20 GHz) 4.69 dB (up to 40 GHz) See Plot	
4	VSWR:	2.5:1 Typ.	2:1 See Plot	
5	Accuracy of Attenuation 0 to 8 dB:	± 2.5 dB Typ.	±0.19 dB See Plot	
6	Accuracy of Attenuation 8 to 16 dB:	± 2.5 dB Typ.	±0.21 dB See Plot	
7	Minimum Attenuation Step:	0.015625 dB	-0.008594 dB	
8	Switching Time:	1.0 µs Max. On 0.5 µs Max. Off	See Typical Characteristics	
9	Power Supply:	+15 V @ 50 mA Max.	35 mA	

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.015625	-0.008594	0.024219	0.01
0.03125	0.00625	0.02500	0.02
0.0625	0.0416	0.0209	0.02
0.125	0.105	0.020	0.05
0.25	0.23	0.02	0.08
0.50	0.51	-0.01	0.13
1.00	1.00	0.00	0.18
2.00	1.94	0.06	0.23
4.00	3.91	0.19	0.41
8.00	7.81	0.19	0.71

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
2.50	2.42	0.08	0.25
5.00	4.87	0.13	0.50
7.50	7.32	0.18	0.69
10.00	9.81	0.19	0.74
12.50	12.39	0.11	0.79
15.00	14.81	0.19	1.05
15.984375	15.775895	0.208480	1.12

QA/QC Approval: *Cumaran Velam*

Date: 6/6/25



