



SUMMARY TEST DATA ON DTA-30M2D5G-60DB-10B

Customer:
Job No:
Model No: DTA-30M2D5G-60DB-10B
Serial No: PL30045/2035

Tested By: E. Marick
Date: Tuesday, August 25, 2020
Temperature: +25° C
Drawing No: 27636640 Rev: A1

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	MEASURED VALUE	QA QC	
1	Frequency Range:	30 MHz – 2.5 GHz	30 MHz – 2.5 GHz	PMI	
2	Mean Attenuation Range:	60 dB	59.6 dB	QA 2	
3	Insertion Loss:	4.5 dB Max.	3.8 dB See Plot		
4	VSWR:	2.0:1 Max.	1.9:1 See Plot		
5	Flatness to 20 dB:	± 0.6 dB Typ.	± 0.94 dB		
6	Flatness to 40 dB:	± 1.0 dB Typ.	± 1.31 dB		
7	Flatness to 60 dB:	± 3.0 dB Typ.	± 3.12 dB		
8	Accuracy of Attenuation 0 to 20 dB:	± 0.5 dB Max.	± 0.25 dB		
9	Accuracy of Attenuation 20 to 40 dB:	± 0.75 dB Max.	± 0.46 dB		
10	Accuracy of Attenuation 40 to 60 dB:	± 1.5 dB Max.	± 1.5 dB		
11	Minimum Attenuation Step:	0.06 dB	0.0371 dB		
12	Survival Power:	1 W Average from -65°C to +25°C	Pass		
13	Switching Speed:	ON: 1.0 µs Max. OFF: 1.0 µs Max.	ON: < 1.0 µs OFF: < 1.0 µs See Typical Characteristics		
14	DC Supply:	+12 to +15 V @ 100 mA Max. -12 to -15 V @ 100 mA Max.	+12 V @ 43 mA -12 V @ 57 mA		PMI QA 2

Programed Attenuation dB	Attenuation dB	Accuracy of Attenuation dB	Flatness dB ±dB
0.0625	0.04	0.03	0.00
0.125	0.09	0.03	0.00
0.25	0.22	0.03	0.01
0.50	0.43	0.07	0.01
1.00	0.89	0.11	0.04
2.00	1.89	0.11	0.10
4.00	3.99	0.01	0.25
8.00	8.03	-0.03	0.52
16.00	16.22	-0.22	0.87
32.00	32.46	-0.46	1.09
62.00	60.54	1.46	3.35
63.94	59.55	4.39	3.23

Programed Attenuation dB	Attenuation dB	Accuracy of Attenuation dB	Flatness dB ±dB
5.00	5.01	-0.01	0.32
10.00	10.08	-0.08	0.63
15.00	15.21	-0.21	0.83
20.00	20.25	-0.25	0.94
25.00	25.31	-0.31	1.00
30.00	30.38	-0.38	1.06
35.00	35.45	-0.45	1.14
40.00	40.44	-0.44	1.31
45.00	45.44	-0.44	1.59
50.00	50.20	-0.20	1.98
55.00	54.69	0.31	2.30
60.00	58.50	1.50	3.12

QA/QC Approval:  PMI QA 2

Date: 8-25-2020



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