



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

Customer: _____
 Job No: _____
 Model No: DTA-30M2D5G-60DB-10B
 Serial No: PL26278/1933

Tested By: K. Mansfield
 Date: Friday, August 16, 2019
 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 QA 1	
2	Mean Attenuation Range:	60 dB	63.6 dB		
3	Insertion Loss:	4.5 dB Max.	4.3 dB See Plot		
4	VSWR:	2.0:1 Max.	2:1 See Plot		
5	Flatness to 20 dB:	± 0.6 dB Typ.	± 0.32 dB		
6	Flatness to 40 dB:	± 1.0 dB Typ.	± 0.61 dB		
7	Flatness to 60 dB:	± 3.0 dB Typ.	± 2.32 dB		
8	Accuracy of Attenuation 0 to 20 dB:	± 0.5 dB Max.	± 0.3 dB		
9	Accuracy of Attenuation 20 to 40 dB:	± 0.75 dB Max.	± 0.2 dB		
10	Accuracy of Attenuation 40 to 60 dB:	± 1.5 dB Max.	± 0.59 dB		
11	Minimum Attenuation Step:	0.06 dB	0.0376 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 @ 40 mA -12 V @ 52 mA		PMI QA 1

Programed Attenuation dB	Attenuation dB	Accuracy of Attenuation dB	Flatness dB ±dB
0.0625	0.04	0.02	0.01
0.125	0.09	0.03	0.01
0.25	0.21	0.04	0.01
0.50	0.45	0.05	0.02
1.00	0.97	0.03	0.03
2.00	2.07	-0.07	0.06
4.00	4.29	-0.29	0.13
8.00	8.15	-0.15	0.20
16.00	16.15	-0.15	0.29
32.00	32.13	-0.13	0.44
62.00	62.19	-0.19	2.75
63.94	63.61	0.33	3.33

Programed Attenuation dB	Attenuation dB	Accuracy of Attenuation dB	Flatness dB ±dB
5.00	5.30	-0.30	0.15
10.00	10.09	-0.09	0.22
15.00	15.14	-0.14	0.28
20.00	20.20	-0.20	0.32
25.00	25.18	-0.18	0.35
30.00	30.12	-0.12	0.41
35.00	35.10	-0.10	0.51
40.00	40.18	-0.18	0.61
45.00	45.40	-0.40	0.88
50.00	50.58	-0.58	1.21
55.00	55.59	-0.59	1.69
60.00	60.38	-0.38	2.32

QA/QC Approval: 

PMI
QA 1

Date: 8/16/19



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