

**SUMMARY TEST DATA
ON
DTA-100M18G-30-CD-1**

Customer: _____ Tested By: K. Mansfield
Job No: _____ Temperature: +25° C
Model No: DTA-100M18G-30-CD-1 Date: Tuesday, November 29, 2022
Serial No: PL38638/2248 Drawing No: 27621554 Rev: A1

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	PASS/FAIL	QA QC
1	Frequency Range:	0.1 GHz – 18 GHz	0.1 GHz – 18 GHz	PMI QA2
2	Mean Attenuation Range:	30 dB	31.22 dB	
3	Insertion Loss:	5.0 dB Typ.	4.9 dB See Plot	
4	VSWR:	2.5:1 Typ.	1.9:1 See Plot	
5	Accuracy of Attenuation 0 to 10 dB:	± 2.5 dB Typ.	0.1 dB See Plot	
6	Accuracy of Attenuation 10 to 20 dB:	± 2.5 dB Typ.	0.09 dB See Plot	
7	Accuracy of Attenuation 20 to 30 dB:	± 2.5 dB Typ.	0.24 dB See Plot	
8	Switching Speed:	On: 1.0 µs Max. Off: 0.5 µs Max.	See Typical Characteristics	
9	DC Supply:	+15VDC @ 50 mA Max.	39 mA	PMI QA2

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
1.00	0.98	0.02	0.16
2.00	1.93	0.07	0.32
4.00	3.93	0.07	0.32
8.00	7.90	0.10	0.55
16.00	16.01	-0.01	0.90
31.00	31.22	-0.22	0.93

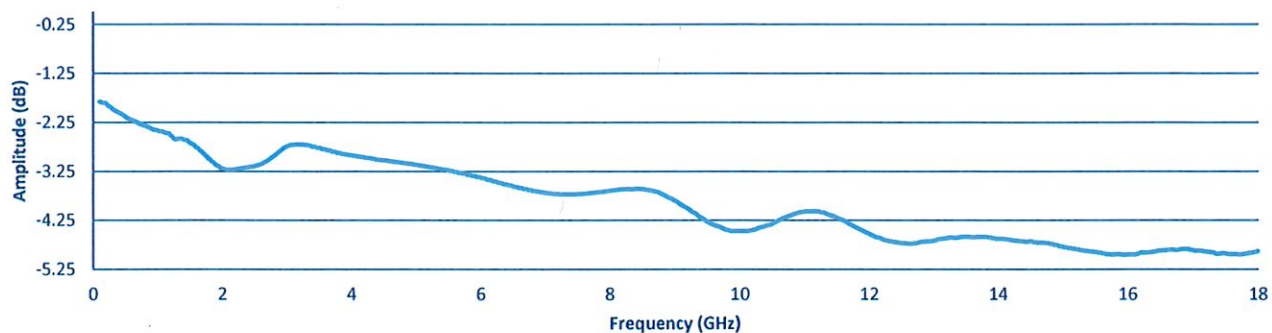
Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.90	0.10	0.36
10.00	9.91	0.09	0.65
15.00	14.98	0.02	0.85
20.00	20.05	-0.05	0.91
25.00	25.18	-0.18	0.99
30.00	30.24	-0.24	0.94

QA/QC Approval: _____

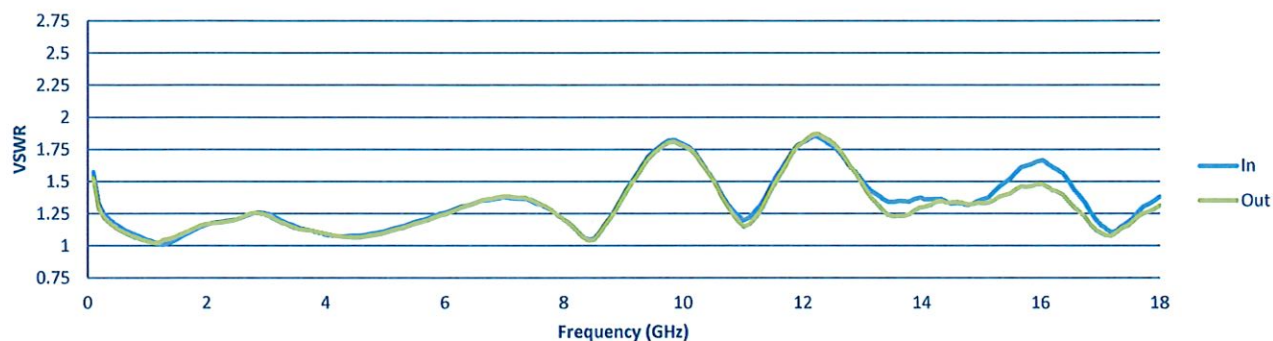
PMI
QA2

Date: 11/29/2022

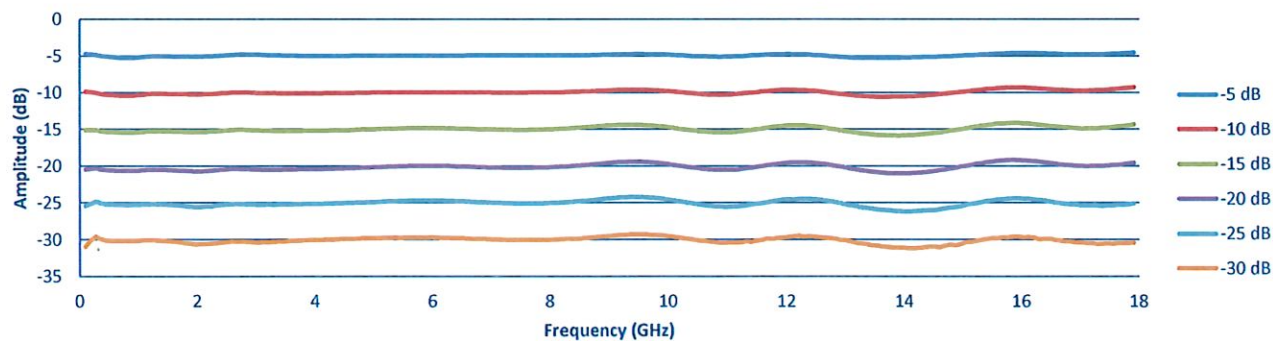
Insertion Loss



VSWR



Attenuation vs. Frequency



Accuracy

