



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

Customer: _____
Job No: _____
Model No: DTA-100M18G-30-CD-1
Serial No: PL23641/1840

Tested By: K. Mansfield
Temperature: +25° C
Date: Thursday, October 11, 2018
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 QA 2
2	Insertion Loss:	5.0 dB Typ.	4.9 dB See Plot	
3	VSWR:	2.5:1 Typ.	1.9:1 See Plot	
4	Flatness to 15 dB:	1.0 dB Typ. Not Specified	0.8 dB See Plot	
6	Flatness to 30 dB:	1.0 dB Typ. Not Specified	0.87 dB See Plot	
8	Accuracy of Attenuation 0 to 10 dB:	± 2.5 dB Typ.	0.03 dB See Plot	
9	Accuracy of Attenuation 10 to 20 dB:	± 2.5 dB Typ.	0.02 dB See Plot	
10	Accuracy of Attenuation 20 to 30 dB:	± 2.5 dB Typ.	0.04 dB See Plot	
11	Switching Speed:	On: 1.0 µs Max. Off: 0.5 µs Max.	On: <0.3 µs Off: <0.2 µs See Typical Characteristics	
12	DC Supply:	+15VDC @ 50 mA Max.	37 mA	PMI QA 2

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
1.00	0.99	0.01	0.26
2.00	1.98	0.02	0.31
4.00	3.97	0.03	0.39
8.00	7.99	0.01	0.53
16.00	16.00	0.00	0.83
31.00	30.99	0.01	0.90

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.98	0.02	0.41
10.00	9.99	0.01	0.61
15.00	15.02	-0.02	0.80
20.00	20.02	-0.02	0.85
25.00	25.02	-0.02	0.82
30.00	30.01	-0.01	0.83

QA/QC Approval:  PMI
QA 2

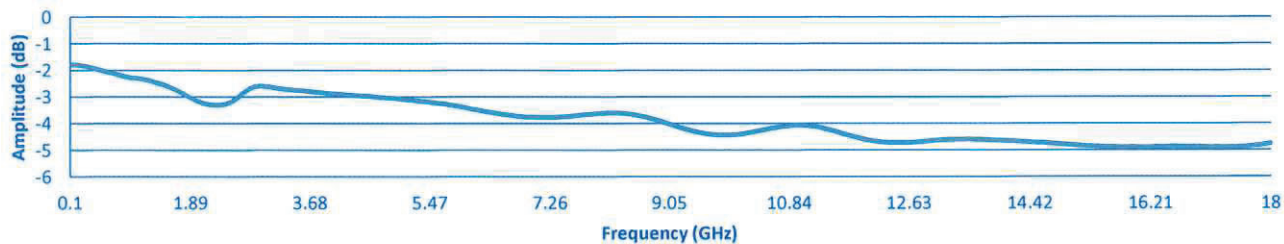
Date: 10/17/18



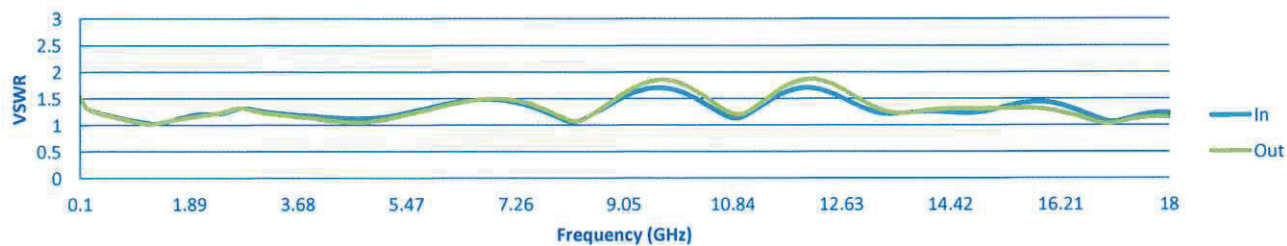
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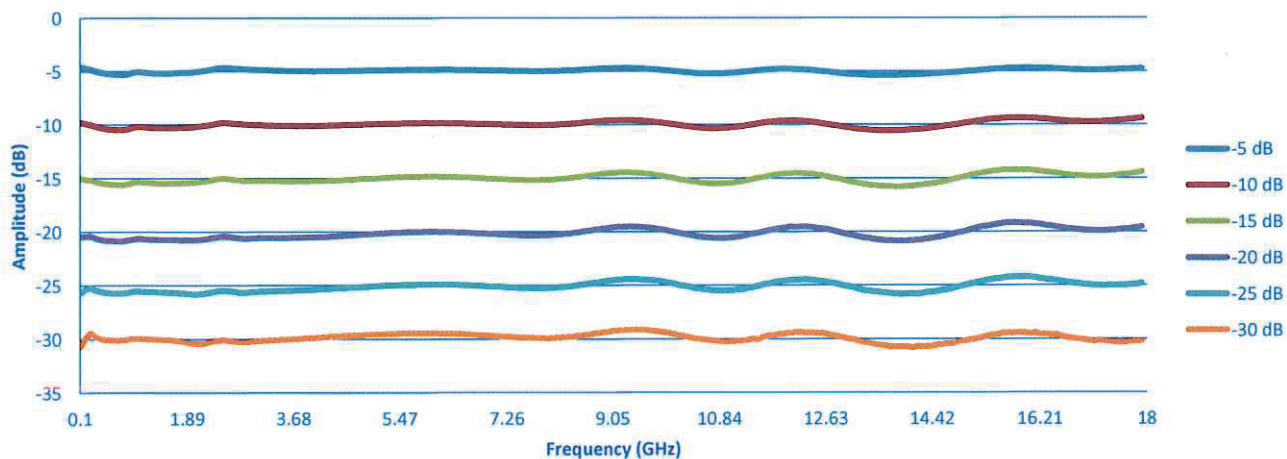
Insertion Loss



VSWR



Attenuation vs. Frequency





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