

SUMMARY TEST DATA ON DTA-100M40G-30-CD-1

Customer: _____
 Job No: _____
 Model No: DTA-100M40G-30-CD-1
 Serial No: 82005
 Part No: _____

Tested By: K. Mansfield
 Temperature: +25° C
 Date: Tuesday, September 25, 2018
 Drawing No: 27615618 Rev: A1

TEST. ITEM NO	PARAMETERS	SPECIFIED VALUE	PASS/FAIL	QA QC	
1	Frequency Range:	0.1 GHz – 40 GHz	0.1 GHz – 40 GHz	PMI QA 1	
2	Insertion Loss:	5.0 dB Typ. up to 20 GHz 8.0 dB Typ. up to 40 GHz	4.8 dB (0.1 to 20 GHz) 6.7 dB (20 to 40 GHz) See Plot		
3	VSWR:	2.5:1 Typ.	2.3:1 See Plot		
4	Flatness to 15 dB:		0.99 dB See Plot		
6	Flatness to 30 dB:		1.44 dB See Plot		
8	Accuracy of Attenuation 0 to 10 dB:	± 2.5 dB Typ.	0.11 dB See Plot		
9	Accuracy of Attenuation 10 to 20 dB:	± 2.5 dB Typ.	0.2 dB See Plot		
10	Accuracy of Attenuation 20 to 30 dB:	± 2.5 dB Typ.	0.15 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.	38 mA		PMI QA 1

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
1.00	1.00	0.00	0.26
2.00	1.99	0.01	0.37
4.00	3.95	0.05	0.45
8.00	7.90	0.10	0.79
16.00	15.82	0.18	1.00
31.00	-31.00	62.00	1.64

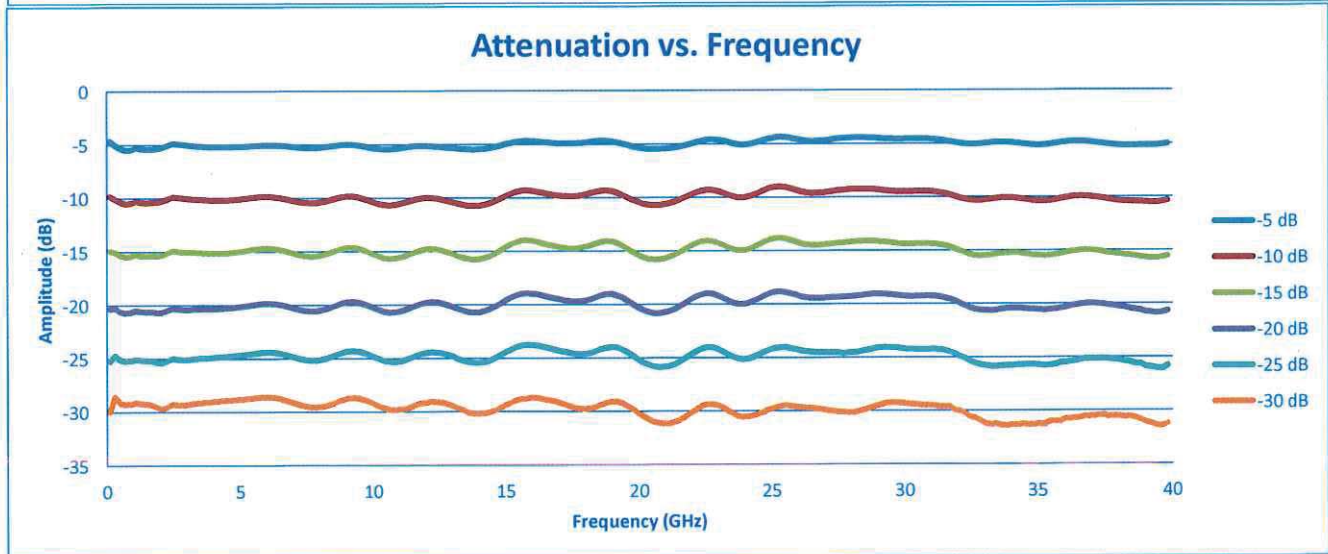
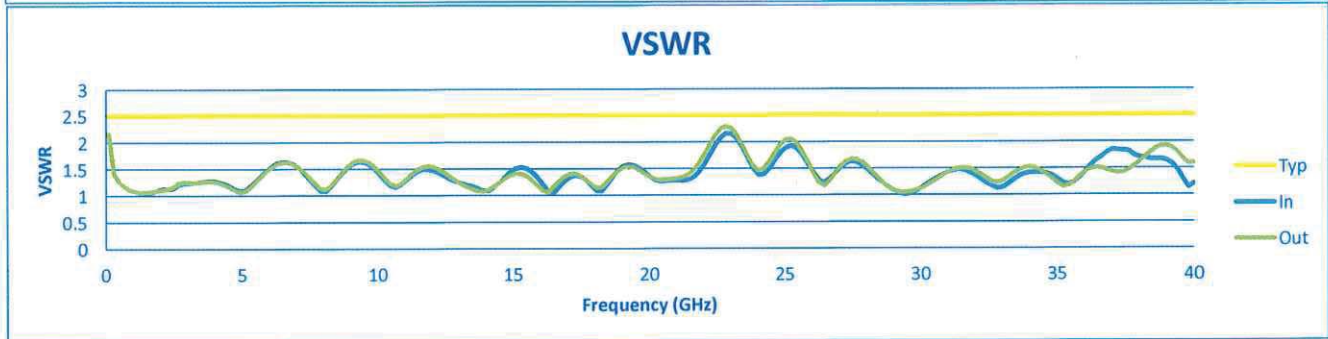
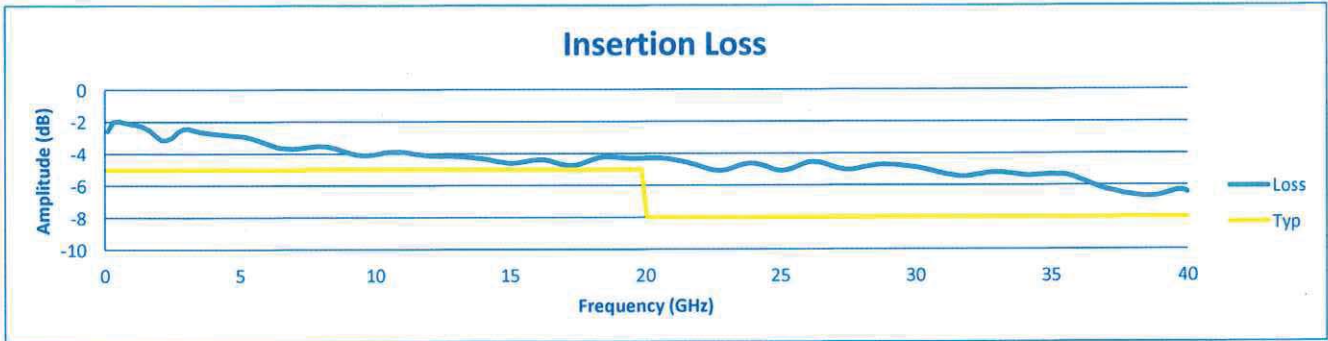
Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.93	0.07	0.57
10.00	9.89	0.11	0.87
15.00	14.82	0.18	0.99
20.00	19.85	0.15	1.03
25.00	24.93	0.07	1.17
30.00	30.03	-0.03	1.44

QA/QC Approval: 

PMI
QA 1

Date: 9/25/18

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