

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

Customer: \_\_\_\_\_  
 Job No: \_\_\_\_\_  
 Model No: DTA-100M40G-30-CD-1  
 Serial No: 71778  
 Part No: \_\_\_\_\_

Tested By: K. Mansfield  
 Date: Tuesday, October 31, 2017  
 Temperature: +25° C  
 Drawing No: 27615619 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 2
2	Insertion Loss:	5.0 dB Typ. up to 20 GHz 8.0 dB Typ. up to 40 GHz	5 dB (0.1 to 20 GHz) 6.7 dB (20 to 40 GHz) See Plot	
3	VSWR:	2.5:1 Typ.	2.2:1 See Plot	
4	Flatness to 15 dB:		1.34 dB See Plot	
6	Flatness to 30 dB:		2.02 dB See Plot	
8	Accuracy of Attenuation 0 to 10 dB:	± 2.5 dB Typ.	0.07 dB See Plot	
9	Accuracy of Attenuation 10 to 20 dB:	± 2.5 dB Typ.	0.09 dB See Plot	
10	Accuracy of Attenuation 20 to 30 dB:	± 2.5 dB Typ.	0.08 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 2

Programed Attenuation dB	Attenuation dB	Accuracy of Attenuation dB	Flatness dB ±dB
1.00	0.98	0.02	0.19
2.00	1.95	0.05	0.30
4.00	4.00	0.00	0.54
8.00	7.93	0.07	0.77
16.00	15.91	0.09	1.34
31.00	-31.12	62.12	2.12

Programed Attenuation dB	Attenuation dB	Accuracy of Attenuation dB	Flatness dB ±dB
5.00	-4.98	9.98	0.62
10.00	-9.93	19.93	0.95
15.00	-14.99	29.99	1.34
20.00	-19.94	39.94	1.51
25.00	-25.03	50.03	1.82
30.00	-30.05	60.05	2.02

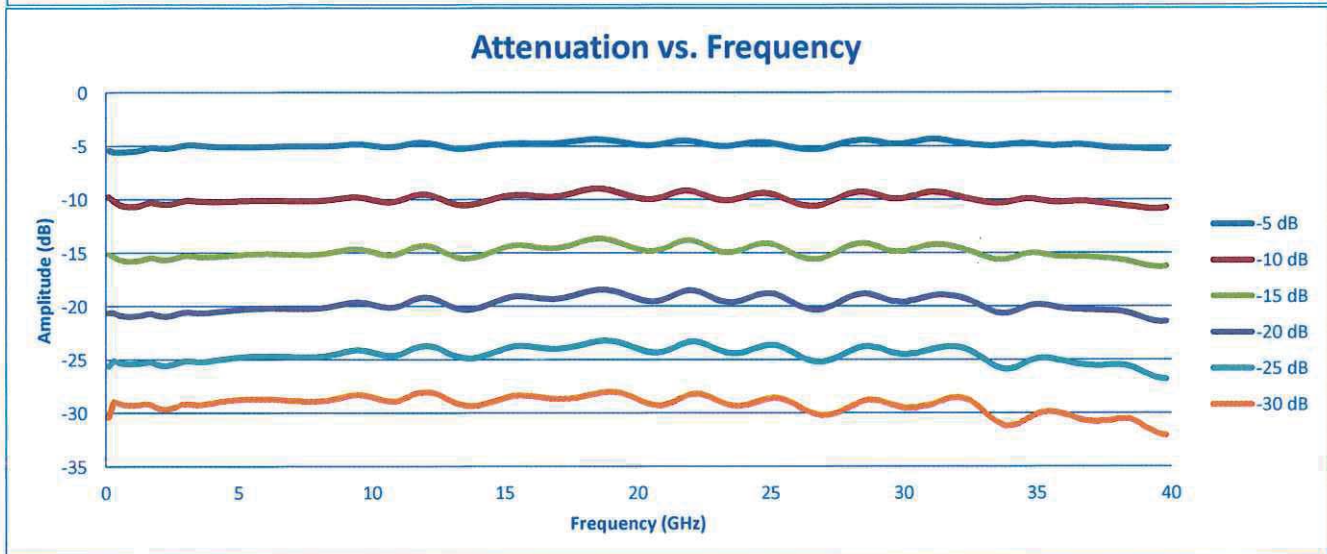
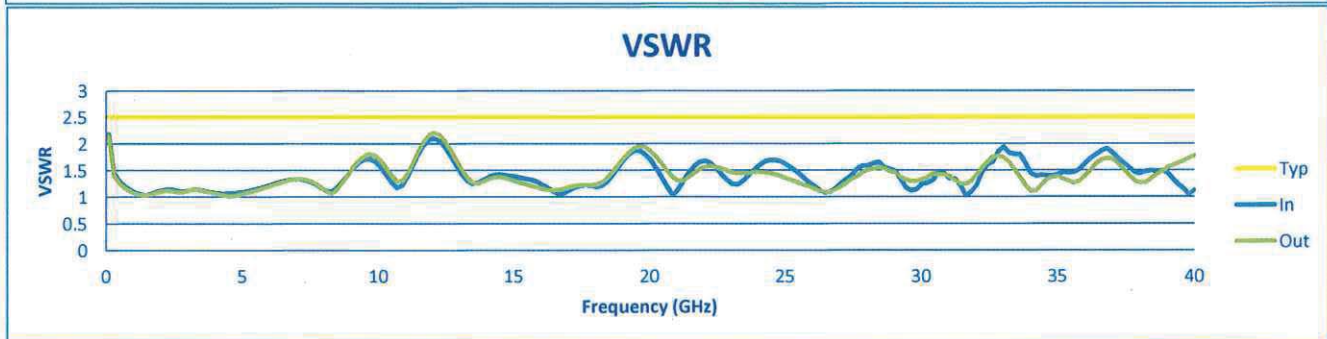
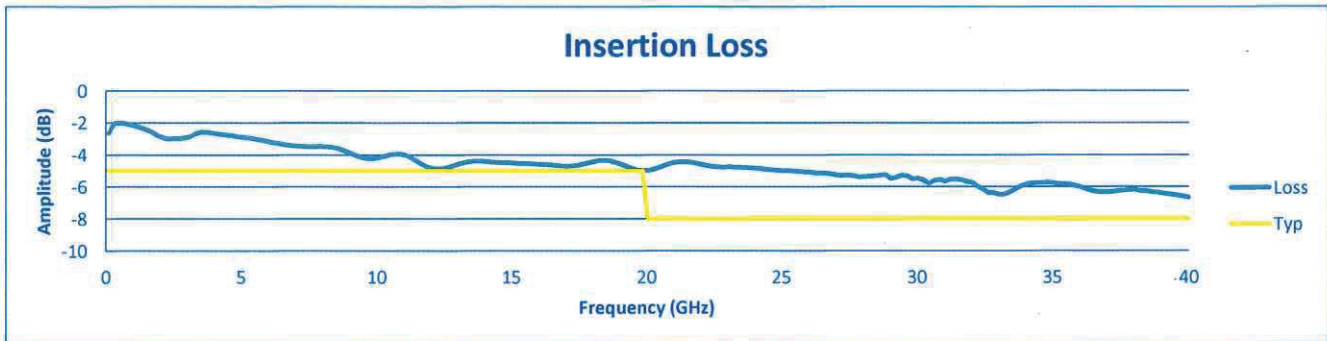
QA/QC Approval:  PMI QA 2

Date: 11/1/17



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V000977F103120171778





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