

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

Customer: \_\_\_\_\_  
 Job No: \_\_\_\_\_  
 Model No: DTA-100M40G-30-CD-1  
 Serial No: 82006  
 Part No: \_\_\_\_\_

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

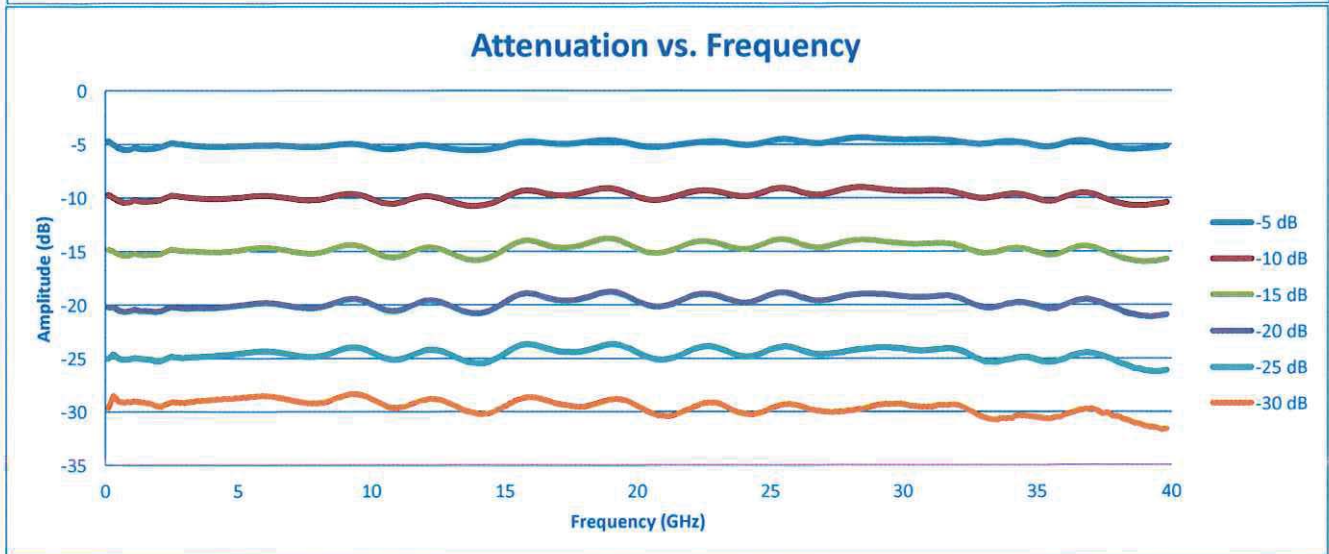
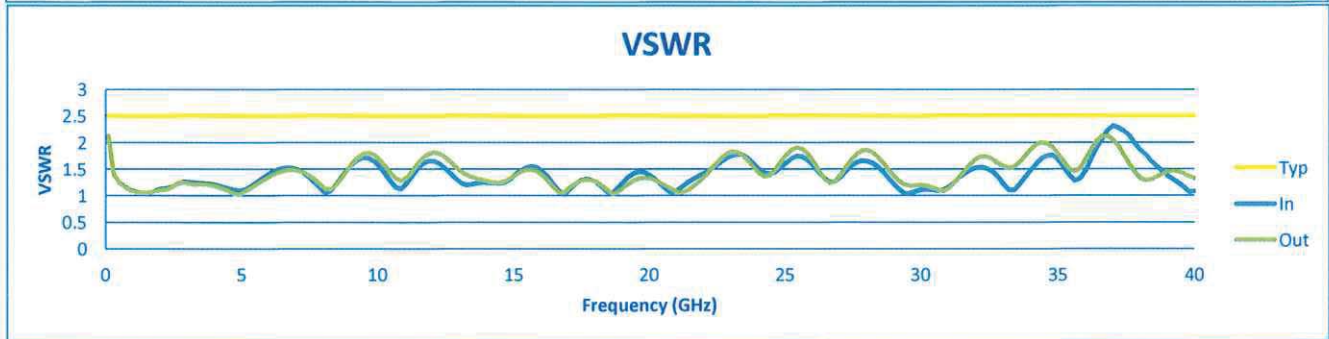
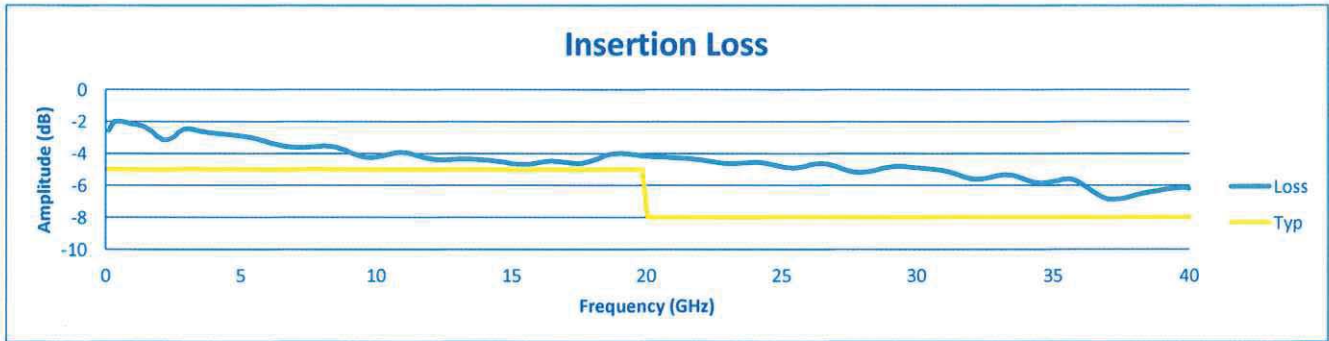
TEST ITEM NO	PARAMETERS	SPECIFIED VALUE	PASS/FAIL	QA QC	
1	Frequency Range:	0.1 GHz – 40 GHz	0.1 GHz – 40 GHz	PMI QA 1	
2	Insertion Loss:	5.0 dB Typ. up to 20 GHz 8.0 dB Typ. up to 40 GHz	4.7 dB (0.1 to 20 GHz) 6.9 dB (20 to 40 GHz) See Plot		
3	VSWR:	2.5:1 Typ.	2.3:1 See Plot		
4	Flatness to 15 dB:		1.1 dB See Plot		
6	Flatness to 30 dB:		1.66 dB See Plot		
8	Accuracy of Attenuation 0 to 10 dB:	± 2.5 dB Typ.	0.1 dB See Plot		
9	Accuracy of Attenuation 10 to 20 dB:	± 2.5 dB Typ.	0.13 dB See Plot		
10	Accuracy of Attenuation 20 to 30 dB:	± 2.5 dB Typ.	0.12 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	0.99	0.01	0.26
2.00	1.98	0.02	0.38
4.00	3.96	0.04	0.47
8.00	7.95	0.05	0.81
16.00	15.87	0.13	1.10
31.00	-30.98	61.98	1.73

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.96	0.04	0.59
10.00	9.90	0.10	0.88
15.00	14.89	0.11	1.10
20.00	19.94	0.06	1.18
25.00	24.94	0.06	1.28
30.00	30.04	-0.04	1.66

QA/QC Approval:  PMI QA 1 Date: 9/25/18

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