

# SUMMARY TEST DATA ON DTA-0R5G18G-60-CD-1

Customer: \_\_\_\_\_  
 Job No: \_\_\_\_\_  
 Model No: DTA-0R5G18G-60-CD-1  
 Serial No: PL92567  
 Part No: \_\_\_\_\_

Tested By: K. Mansfield  
 Date: Tuesday, November 26, 2019  
 Temperature: +25° C  
 Drawing No: 27617782 Rev: A1

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	RESULTS	QA QC	
1	Frequency Range:	0.5 GHz – 18 GHz	0.5 GHz – 18 GHz	PMI QA 1	
2	Insertion Loss:	4.5 dB Max.	3.8 dB See Plot		
3	VSWR:	2.0:1 Max.	1.9:1 See Plot		
4	Flatness to 20 dB:	± 1.0 dB Typ.	±0.53 dB See Plot		
6	Flatness to 40 dB:	± 1.25 dB Typ.	±0.65 dB See Plot		
7	Flatness to 60 dB:	± 3.0 dB Typ.	±1.39 dB See Plot		
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	±0.21 dB See Plot		
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	±0.06 dB See Plot		
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	±0.07 dB See Plot		
11	Switching Speed:	1.0 us Max.	< 1.0 us See Typical Characteristics		
12	DC Supply:	+15VDC @ 155 mA	113 mA		PMI QA 1

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.0625	0.05	0.01	0.01
0.125	0.11	0.01	0.01
0.25	0.24	0.01	0.02
0.50	0.49	0.01	0.05
1.00	0.99	0.01	0.09
2.00	1.99	0.01	0.14
4.00	3.99	0.01	0.23
8.00	7.98	0.02	0.27
16.00	15.97	0.01	0.44
32.00	31.99	0.01	0.60
62.00	62.35	-0.35	1.71
63.94	64.40	-0.46	1.87

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.79	0.21	0.23
10.00	9.98	0.02	0.31
15.00	14.91	0.09	0.42
20.00	19.97	0.03	0.53
25.00	24.94	0.06	0.57
30.00	29.99	0.01	0.59
35.00	34.96	0.04	0.63
40.00	40.03	-0.03	0.65
45.00	44.96	0.04	0.80
50.00	50.07	-0.07	0.93
55.00	55.01	-0.01	1.00
60.00	59.98	0.02	1.39

QA/QC Approval:  PMI  
QA 1

Date: 11/26/19

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