



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

Customer: \_\_\_\_\_  
 Job No: \_\_\_\_\_  
 Model No: DTA-0R5G18G-60-CD-1  
 Serial No: PL34344/2141

Tested By: K. Mansfield  
 Date: Tuesday, October 19, 2021  
 Temperature: +25° C  
 Drawing No: 27617795 Rev: A3

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	RESULTS	QA QC	
1	Frequency Range:	0.5 GHz – 18 GHz	0.5 GHz – 18 GHz	PMI QA 2	
2	Insertion Loss:	4.5 dB Max.	3.7 dB See Plot		
3	VSWR:	2.0:1 Max.	1.8:1 See Plot		
4	Flatness to 20 dB:	± 1.0 dB Typ.	0.48 dB See Plot		
6	Flatness to 40 dB:	± 1.25 dB Typ.	0.68 dB See Plot		
7	Flatness to 60 dB:	± 3.0 dB Typ.	2.01 dB See Plot		
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	0.04 dB See Plot		
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	0.07 dB See Plot		
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	0.18 dB See Plot		
11	Switching Speed:	1.0 us Max.	< 1.0 us See Typical Characteristics		
12	DC Supply:	+15VDC @ 155 mA	110 mA		PMI QA 2

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness
dB	dB	dB	±dB
0.0625	0.05	0.01	0.01
0.125	0.12	0.01	0.01
0.25	0.25	0.00	0.02
0.50	0.50	0.00	0.03
1.00	0.99	0.01	0.08
2.00	2.00	0.00	0.14
4.00	4.01	-0.01	0.26
8.00	8.03	-0.03	0.36
16.00	16.01	-0.05	0.44
32.00	32.05	-0.05	0.68
62.00	62.19	-0.19	2.23
63.94	64.02	-0.08	2.74

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness
dB	dB	dB	±dB
5.00	5.00	0.00	0.29
10.00	10.03	-0.03	0.36
15.00	14.96	0.04	0.43
20.00	20.02	-0.02	0.48
25.00	24.97	0.03	0.59
30.00	30.02	-0.02	0.65
35.00	35.01	-0.01	0.66
40.00	40.07	-0.07	0.61
45.00	45.09	-0.09	0.55
50.00	50.18	-0.18	0.64
55.00	55.18	-0.18	1.05
60.00	60.15	-0.15	2.01

QA/QC Approval:

PMI  
QA 2

Date: 10/19/2021



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