



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

Customer: \_\_\_\_\_  
 Job No: \_\_\_\_\_  
 Model No: DTA-0R5G18G-60-CD-1  
 Serial No: PL34340/2141

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.	4.1 dB See Plot		
3	VSWR:	2.0:1 Max.	1.9:1 See Plot		
4	Flatness to 20 dB:	± 1.0 dB Typ.	0.77 dB See Plot		
6	Flatness to 40 dB:	± 1.25 dB Typ.	0.85 dB See Plot		
7	Flatness to 60 dB:	± 3.0 dB Typ.	2.5 dB See Plot		
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	0.06 dB See Plot		
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	0.12 dB See Plot		
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	0.16 dB See Plot		
11	Switching Speed:	1.0 us Max.	< 1.0 us See Typical Characteristics		
12	DC Supply:	+15VDC @ 155 mA	111 mA		PMI QA 2

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.0625	0.06	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	0.04
1.00	1.00	0.00	0.10
2.00	2.01	-0.01	0.17
4.00	4.02	-0.02	0.31
8.00	8.05	-0.05	0.42
16.00	16.04	-0.11	0.60
32.00	32.11	-0.11	0.80
62.00	62.25	-0.25	2.63
63.94	63.40	0.54	4.06

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.99	0.01	0.35
10.00	10.05	-0.05	0.43
15.00	14.98	0.02	0.56
20.00	20.06	-0.06	0.77
25.00	25.05	-0.05	0.85
30.00	30.12	-0.12	0.85
35.00	35.11	-0.11	0.63
40.00	40.10	-0.10	0.60
45.00	45.09	-0.09	0.70
50.00	50.16	-0.16	0.84
55.00	55.02	-0.02	1.23
60.00	60.05	-0.05	2.50

QA/QC Approval:  \_\_\_\_\_

PMI  
QA 2

Date: 10/19/2021



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