



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

Customer: _____
 Job No: _____
 Model No: DTA-0R5G18G-60-CD-1
 Serial No: PL34342/2141

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.	3.8 dB See Plot		
3	VSWR:	2.0:1 Max.	1.7:1 See Plot		
4	Flatness to 20 dB:	± 1.0 dB Typ.	0.67 dB See Plot		
6	Flatness to 40 dB:	± 1.25 dB Typ.	0.7 dB See Plot		
7	Flatness to 60 dB:	± 3.0 dB Typ.	2.03 dB See Plot		
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	0.19 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.	0.18 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	0.05	0.01	0.01
0.125	0.11	0.01	0.01
0.25	0.25	0.00	0.03
0.50	0.50	0.00	0.05
1.00	1.01	-0.01	0.09
2.00	2.01	-0.01	0.16
4.00	4.02	-0.02	0.26
8.00	7.99	0.01	0.37
16.00	15.94	0.08	0.57
32.00	31.92	0.08	0.66
62.00	61.96	0.04	2.61
63.94	64.41	-0.47	3.21

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.81	0.19	0.28
10.00	9.98	0.02	0.42
15.00	14.88	0.12	0.55
20.00	19.92	0.08	0.67
25.00	24.88	0.12	0.70
30.00	29.92	0.08	0.68
35.00	34.93	0.07	0.68
40.00	39.92	0.08	0.57
45.00	44.82	0.18	0.64
50.00	49.94	0.06	0.79
55.00	54.86	0.14	1.00
60.00	60.10	-0.10	2.03

QA/QC Approval: 

PMI
QA 2

Date: 10/19/2021



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