



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

Customer: _____
 Job No: _____
 Model No: DTA-0R5G18G-60-CD-1
 Serial No: PL34181/2140

Tested By: K. Mansfield
 Date: Thursday, September 30, 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.	0.6 dB See Plot		
6	Flatness to 40 dB:	± 1.25 dB Typ.	0.86 dB See Plot		
7	Flatness to 60 dB:	± 3.0 dB Typ.	1.83 dB See Plot		
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	0.08 dB See Plot		
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	0.18 dB See Plot		
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	0.22 dB See Plot		
11	Switching Speed:	1.0 us Max.	< 1.0 us See Typical Characteristics		
12	DC Supply:	+15VDC @ 155 mA	112 mA		PMI QA 2

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.0625	0.06	0.00	0.01
0.125	0.12	0.00	0.01
0.25	0.25	0.00	0.02
0.50	0.50	0.00	0.03
1.00	1.00	0.00	0.07
2.00	2.02	-0.02	0.12
4.00	4.03	-0.03	0.22
8.00	8.05	-0.05	0.28
16.00	16.06	-0.11	0.51
32.00	32.11	-0.11	0.83
62.00	61.94	0.06	1.90
63.94	64.28	-0.34	2.37

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	5.01	-0.01	0.24
10.00	10.07	-0.07	0.31
15.00	14.99	0.01	0.47
20.00	20.08	-0.08	0.60
25.00	25.07	-0.07	0.68
30.00	30.11	-0.11	0.82
35.00	35.09	-0.09	0.86
40.00	40.18	-0.18	0.79
45.00	45.22	-0.22	0.53
50.00	50.18	-0.18	0.69
55.00	55.08	-0.08	0.98
60.00	60.19	-0.19	1.83

QA/QC Approval: 

PMI
QA 2

Date: 9/30/2021



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