

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

Customer: _____
Job No: _____
Model No: DTA-0R5G18G-60-CD-1
Serial No: PL39390/2304

Tested By: K. Mansfield
Date: Friday, January 27, 2023
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 QA2	
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.	0.55 dB See Plot		
6	Flatness to 40 dB:	± 1.25 dB Typ.	0.75 dB See Plot		
7	Flatness to 60 dB:	± 3.0 dB Typ.	1.97 dB See Plot		
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	0.26 dB See Plot		
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	0.56 dB See Plot		
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	0.77 dB See Plot		
11	Switching Speed:	1.0 us Max.	< 1.0 us See Typical Characteristics		
12	DC Supply:	+15VDC @ 150 mA Max.	115 mA		PMI QA2

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.0625	0.06	0.01	0.01
0.125	0.12	0.00	0.03
0.25	0.25	0.00	0.05
0.50	0.51	-0.01	0.06
1.00	1.01	-0.01	0.07
2.00	2.03	-0.03	0.13
4.00	4.05	-0.05	0.23
8.00	8.09	-0.09	0.31
16.00	16.20	-0.45	0.41
32.00	32.45	-0.45	0.75
62.00	62.84	-0.84	2.57
63.94	64.86	-0.92	2.73

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	5.03	-0.03	0.26
10.00	10.12	-0.12	0.31
15.00	15.12	-0.12	0.37
20.00	20.26	-0.26	0.55
25.00	25.30	-0.30	0.67
30.00	30.42	-0.42	0.73
35.00	35.46	-0.46	0.74
40.00	40.56	-0.56	0.73
45.00	45.56	-0.56	0.83
50.00	50.69	-0.69	1.04
55.00	55.62	-0.62	1.55
60.00	60.77	-0.77	1.97

QA/QC Approval:  PMI QA2

Date: 1/27/2023



