

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

Customer: _____
Job No: _____
Model No: DTA-0R5G18G-60-CD-1
Serial No: PL39388/2304

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.	4.2 dB See Plot		
3	VSWR:	2.0:1 Max.	1.9:1 See Plot		
4	Flatness to 20 dB:	± 1.0 dB Typ.	0.51 dB See Plot		
6	Flatness to 40 dB:	± 1.25 dB Typ.	0.76 dB See Plot		
7	Flatness to 60 dB:	± 3.0 dB Typ.	2.12 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.	0.5 dB See Plot		
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	0.57 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	0.07	-0.01	0.02
0.125	0.13	0.00	0.03
0.25	0.25	0.00	0.04
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	4.06	-0.06	0.23
8.00	8.10	-0.10	0.33
16.00	16.21	-0.47	0.40
32.00	32.47	-0.47	0.71
62.00	62.51	-0.51	2.38
63.94	64.56	-0.62	2.86

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	5.04	-0.04	0.27
10.00	10.13	-0.13	0.33
15.00	15.13	-0.13	0.39
20.00	20.26	-0.26	0.51
25.00	25.30	-0.30	0.63
30.00	30.43	-0.43	0.70
35.00	35.47	-0.47	0.70
40.00	40.50	-0.50	0.76
45.00	45.53	-0.53	0.92
50.00	50.52	-0.52	1.18
55.00	55.46	-0.46	1.53
60.00	60.57	-0.57	2.12

QA/QC Approval: PMI QA2

Date: 1/27/2023



