

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

Customer: _____
Job No: _____
Model No: DTA-0R5G18G-60-CD-1
Serial No: PL44301/2406

Tested By: A. Mousavi
Date: Wednesday, February 7, 2024
Temperature: +25° C
Drawing No: 27637160 Rev: A1

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	RESULTS	QA QC
1	Frequency Range:	0.5 GHz – 18 GHz	0.5 GHz – 18 GHz	PMI QA4
2	Insertion Loss:	4.5 dB Max.	3.7 dB See Plot	
3	VSWR:	2.0:1 Max.	1.7:1 See Plot	
4	Flatness to 20 dB:	± 1.0 dB Typ.	±0.36 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.	±2.37 dB See Plot	
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	±0.03 dB See Plot	
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	±0.03 dB See Plot	
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	±0.08 dB See Plot	
11	Switching Speed:	1.0 µs Max. On 0.5 µs Max. Off	< 1.0 us See Typical Characteristics	
12	DC Supply:	+15 VDC @ 150 mA Max.	111 mA	PMI QA4

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.0625	0.07	-0.01	0.01
0.125	0.13	-0.01	0.02
0.25	0.28	-0.03	0.04
0.50	0.51	-0.01	0.04
1.00	1.02	-0.02	0.07
2.00	2.01	-0.01	0.13
4.00	4.02	-0.02	0.23
8.00	8.03	-0.03	0.29
16.00	16.02	-0.03	0.33
32.00	32.03	-0.03	0.56
62.00	61.99	0.01	3.14
63.94	64.14	-0.20	3.84

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	5.00	0.00	0.27
10.00	10.03	-0.03	0.30
15.00	14.98	0.02	0.33
20.00	20.02	-0.02	0.36
25.00	25.00	0.00	0.44
30.00	30.03	-0.03	0.53
35.00	34.99	0.01	0.61
40.00	39.99	0.01	0.75
45.00	44.94	0.06	0.97
50.00	49.95	0.05	1.23
55.00	54.95	0.05	1.30
60.00	60.08	-0.08	2.37

QA/QC Approval: *Cameron Kelley*

PMI
QA4

Date: 02/08/2024



