



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

Customer: _____
 Job No: _____
 Model No: DTA-0R5G18G-60-CD-1
 Serial No: PL39392/2304

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.	0.58 dB See Plot		
6	Flatness to 40 dB:	± 1.25 dB Typ.	0.84 dB See Plot		
7	Flatness to 60 dB:	± 3.0 dB Typ.	2.55 dB See Plot		
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	0.27 dB See Plot		
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	0.59 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.	112 mA		PMI QA2

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.0625	0.06	0.00	0.02
0.125	0.13	0.00	0.03
0.25	0.25	0.00	0.05
0.50	0.50	0.00	0.07
1.00	1.00	0.00	0.07
2.00	2.02	-0.02	0.13
4.00	4.04	-0.04	0.23
8.00	8.09	-0.09	0.31
16.00	16.20	-0.45	0.43
32.00	32.45	-0.45	0.82
62.00	62.76	-0.76	2.83
63.94	64.73	-0.79	3.12

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	5.04	-0.04	0.26
10.00	10.12	-0.12	0.31
15.00	15.13	-0.13	0.40
20.00	20.27	-0.27	0.58
25.00	25.30	-0.30	0.72
30.00	30.44	-0.44	0.80
35.00	35.48	-0.48	0.82
40.00	40.59	-0.59	0.84
45.00	45.67	-0.67	1.00
50.00	50.73	-0.73	1.34
55.00	55.77	-0.77	1.90
60.00	60.72	-0.72	2.55

QA/QC Approval:

PMI
QA2

Date: 1/27/2023



