



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

Customer: _____
 Job No: _____
 Model No: DTA-0R5G18G-60-CD-1
 Serial No: PL34177/2140

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.	3.7 dB See Plot		
3	VSWR:	2.0:1 Max.	1.8:1 See Plot		
4	Flatness to 20 dB:	± 1.0 dB Typ.	0.43 dB See Plot		
6	Flatness to 40 dB:	± 1.25 dB Typ.	0.58 dB See Plot		
7	Flatness to 60 dB:	± 3.0 dB Typ.	2.03 dB See Plot		
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	0.29 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.	1.15 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	0.01	0.01
0.125	0.11	0.01	0.01
0.25	0.24	0.01	0.01
0.50	0.50	0.00	0.03
1.00	1.00	0.00	0.06
2.00	2.03	-0.03	0.10
4.00	4.05	-0.05	0.18
8.00	8.10	-0.10	0.24
16.00	16.22	-0.43	0.33
32.00	32.43	-0.43	0.52
62.00	62.81	-0.81	1.94
63.94	65.12	-1.18	3.00

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	5.05	-0.05	0.21
10.00	10.14	-0.14	0.25
15.00	15.14	-0.14	0.32
20.00	20.29	-0.29	0.43
25.00	25.34	-0.34	0.45
30.00	30.42	-0.42	0.51
35.00	35.46	-0.46	0.58
40.00	40.56	-0.56	0.53
45.00	45.46	-0.46	0.60
50.00	50.61	-0.61	0.79
55.00	55.54	-0.54	1.13
60.00	61.15	-1.15	2.03

QA/QC Approval: 

PMI
QA 2

Date: 9/30/2021



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