



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

Customer: _____
 Job No: _____
 Model No: DTA-0R5G18G-60-CD-1
 Serial No: PL34180/2140

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.	3.6 dB See Plot		
3	VSWR:	2.0:1 Max.	1.8:1 See Plot		
4	Flatness to 20 dB:	± 1.0 dB Typ.	0.47 dB See Plot		
6	Flatness to 40 dB:	± 1.25 dB Typ.	0.62 dB See Plot		
7	Flatness to 60 dB:	± 3.0 dB Typ.	1.86 dB See Plot		
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	0.1 dB See Plot		
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	0.11 dB See Plot		
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	0.31 dB See Plot		
11	Switching Speed:	1.0 us Max.	< 1.0 us See Typical Characteristics		
12	DC Supply:	+15VDC @ 155 mA	115 mA		PMI QA 2

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness
dB	dB	dB	±dB
0.0625	0.06	0.00	0.01
0.125	0.11	0.01	0.01
0.25	0.24	0.01	0.02
0.50	0.50	0.00	0.03
1.00	0.98	0.02	0.07
2.00	1.99	0.01	0.12
4.00	3.99	0.01	0.22
8.00	7.99	0.01	0.31
16.00	15.96	0.05	0.42
32.00	31.95	0.05	0.58
62.00	61.85	0.15	2.30
63.94	64.55	-0.61	2.54

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness
dB	dB	dB	±dB
5.00	4.97	0.03	0.25
10.00	10.00	0.00	0.31
15.00	14.90	0.10	0.40
20.00	19.96	0.04	0.47
25.00	24.89	0.11	0.50
30.00	29.95	0.05	0.55
35.00	34.89	0.11	0.60
40.00	39.96	0.04	0.62
45.00	45.02	-0.02	0.78
50.00	49.97	0.03	1.07
55.00	54.69	0.31	1.42
60.00	59.76	0.24	1.86

QA/QC Approval: _____

PMI
QA 2

Date: 9/30/2021



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