

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

Customer: _____
 Job No: _____
 Model No: DTA-0R5G18G-60-CD-1
 Serial No: PL92565
 Part No: _____

Tested By: K. Mansfield
 Date: Tuesday, November 26, 2019
 Temperature: +25° C
 Drawing No: 27617782 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 QA 1	
2	Insertion Loss:	4.5 dB Max.	4 dB See Plot		
3	VSWR:	2.0:1 Max.	1.7:1 See Plot		
4	Flatness to 20 dB:	± 1.0 dB Typ.	±0.4 dB See Plot		
6	Flatness to 40 dB:	± 1.25 dB Typ.	±0.47 dB See Plot		
7	Flatness to 60 dB:	± 3.0 dB Typ.	±1.35 dB See Plot		
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	±0.06 dB See Plot		
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	±0.06 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 us Max.	< 1.0 us See Typical Characteristics		
12	DC Supply:	+15VDC @ 155 mA	111 mA		PMI QA 1

Programed Attenuation dB	Attenuation dB	Accuracy of Attenuation dB	Flatness dB ±dB
0.0625	0.04	0.02	0.01
0.125	0.10	0.02	0.01
0.25	0.24	0.01	0.01
0.50	0.49	0.01	0.02
1.00	0.99	0.01	0.06
2.00	1.99	0.01	0.09
4.00	4.00	0.00	0.17
8.00	8.01	-0.01	0.25
16.00	15.99	0.03	0.32
32.00	31.97	0.03	0.43
62.00	61.77	0.23	1.99
63.94	64.18	-0.25	2.23

Programed Attenuation dB	Attenuation dB	Accuracy of Attenuation dB	Flatness dB ±dB
5.00	4.97	0.03	0.19
10.00	10.01	-0.01	0.26
15.00	14.94	0.06	0.30
20.00	19.99	0.01	0.40
25.00	24.94	0.06	0.41
30.00	29.98	0.02	0.44
35.00	34.96	0.04	0.47
40.00	39.99	0.01	0.43
45.00	44.97	0.03	0.42
50.00	49.94	0.06	0.60
55.00	54.99	0.01	0.83
60.00	60.08	-0.08	1.35

QA/QC Approval:  PMI
QA 1

Date: 11/26/19

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