

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

Customer: _____
 Job No: _____
 Model No: DTA-0R5G18G-60CD-1
 Serial No: PL92566
 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.	3.8 dB See Plot		
3	VSWR:	2.0:1 Max.	1.8:1 See Plot		
4	Flatness to 20 dB:	± 1.0 dB Typ.	±0.39 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.	±1.5 dB See Plot		
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	±0.04 dB See Plot		
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	±0.1 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	110 mA		PMI QA 1

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.0625	0.05	0.01	0.01
0.125	0.11	0.01	0.01
0.25	0.25	0.00	0.01
0.50	0.49	0.01	0.02
1.00	0.99	0.01	0.05
2.00	2.00	0.00	0.09
4.00	4.00	0.00	0.16
8.00	8.01	-0.01	0.26
16.00	16.03	-0.08	0.31
32.00	32.08	-0.08	0.45
62.00	62.10	-0.10	1.50
63.94	64.39	-0.45	1.66

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.98	0.02	0.19
10.00	10.03	-0.03	0.27
15.00	14.97	0.03	0.29
20.00	20.04	-0.04	0.39
25.00	25.03	-0.03	0.42
30.00	30.07	-0.07	0.46
35.00	35.10	-0.10	0.47
40.00	40.09	-0.09	0.45
45.00	45.03	-0.03	0.52
50.00	50.09	-0.09	0.63
55.00	55.13	-0.13	1.04
60.00	60.31	-0.31	1.50

QA/QC Approval: 

PMI
QA 1

Date: 11/26/19

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