



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

Customer: _____
 Job No: _____
 Model No: DTA-0R5G18G-60-CD-1
 Serial No: PL34172/2140

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.	1.6:1 See Plot		
4	Flatness to 20 dB:	± 1.0 dB Typ.	0.49 dB See Plot		
6	Flatness to 40 dB:	± 1.25 dB Typ.	0.53 dB See Plot		
7	Flatness to 60 dB:	± 3.0 dB Typ.	1.93 dB See Plot		
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	0.18 dB See Plot		
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	0.31 dB See Plot		
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	0.7 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	0.05	0.01	0.01
0.125	0.10	0.02	0.01
0.25	0.24	0.01	0.02
0.50	0.49	0.01	0.03
1.00	1.00	0.00	0.07
2.00	2.00	0.00	0.11
4.00	4.01	-0.01	0.22
8.00	8.03	-0.03	0.31
16.00	16.12	-0.31	0.38
32.00	32.31	-0.31	0.53
62.00	62.42	-0.42	2.09
63.94	64.44	-0.50	2.72

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness
dB	dB	dB	±dB
5.00	4.99	0.01	0.26
10.00	10.04	-0.04	0.31
15.00	15.04	-0.04	0.35
20.00	20.18	-0.18	0.49
25.00	25.22	-0.22	0.52
30.00	30.27	-0.27	0.51
35.00	35.25	-0.25	0.44
40.00	40.22	-0.22	0.48
45.00	45.18	-0.18	0.60
50.00	50.35	-0.35	0.89
55.00	55.35	-0.35	1.22
60.00	60.70	-0.70	1.93

QA/QC Approval: 

PMI
QA 2

Date: 9/30/2021



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