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

Customer:
Job No:
Model No: DTA-0R5G18G-60-CD-1
Serial No: PL34173/2140

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.	3.5 dB See Plot	
3	VSWR:	2.0:1 Max.	1.8:1 See Plot	
4	Flatness to 20 dB:	± 1.0 dB Typ.	0.55 dB See Plot	
6	Flatness to 40 dB:	± 1.25 dB Typ.	0.57 dB See Plot	
7	Flatness to 60 dB:	± 3.0 dB Typ.	2.55 dB See Plot	
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	0.12 dB See Plot	
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	0.15 dB See Plot	
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	0.23 dB See Plot	
11	Switching Speed:	1.0 us Max.	< 1.0 us See Typical Characteristics	
12	DC Supply:	+15VDC @ 155 mA	116 mA	PMI QA 2

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.0625	0.05	0.01	0.01
0.125	0.12	0.01	0.02
0.25	0.25	0.00	0.03
0.50	0.51	-0.01	0.05
1.00	1.02	-0.02	0.08
2.00	2.05	-0.05	0.15
4.00	4.07	-0.07	0.24
8.00	8.07	-0.07	0.32
16.00	16.08	-0.11	0.48
32.00	32.11	-0.11	0.51
62.00	62.27	-0.27	2.82
63.94	64.18	-0.24	3.28

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.88	0.12	0.25
10.00	10.09	-0.09	0.36
15.00	15.02	-0.02	0.45
20.00	20.08	-0.08	0.55
25.00	25.03	-0.03	0.57
30.00	30.09	-0.09	0.54
35.00	35.09	-0.09	0.53
40.00	40.15	-0.15	0.50
45.00	45.08	-0.08	0.55
50.00	50.23	-0.23	0.73
55.00	54.95	0.05	1.66
60.00	60.08	-0.08	2.55

QA/QC Approval: PMI QA 2 Date: 9/30/2021

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