



SUMMARY TEST DATA ON DTA-0R4G18G-60-CD-1

Customer: _____
 Job No: _____
 Model No: DTA-0R4G18G-60-CD-1
 Serial No: PL27669/2005

Tested By: K. Mansfield
 Date: Wednesday, March 04, 2020
 Temperature: +25° C
 Drawing No: 27637160 Rev: A1

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	RESULTS	QA QC	
1	Frequency Range:	0.4 GHz – 18 GHz	0.4 GHz – 18 GHz	PMI QA 1	
2	Insertion Loss:	4.8 dB Max.	3.7 dB See Plot		
3	VSWR:	2.0:1 Max.	1.8:1 See Plot		
4	Flatness to 20 dB:	± 1.0 dB Typ.	±0.57 dB See Plot		
6	Flatness to 40 dB:	± 1.25 dB Typ.	±1.16 dB See Plot		
7	Flatness to 60 dB:	± 3.0 dB Typ.	±5.23 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.	±0.25 dB See Plot		
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	±0.32 dB See Plot		
11	Switching Speed:	1.0 µs Max. On 0.5 µs Max. Off	< 1.0 us See Typical Characteristics		
12	DC Supply:	+15VDC @ 150 mA	113 mA		PMI QA 1

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.0625	0.05	0.02	0.01
0.125	0.11	0.01	0.01
0.25	0.24	0.01	0.02
0.50	0.49	0.01	0.04
1.00	1.00	0.00	0.07
2.00	1.99	0.01	0.15
4.00	3.99	0.01	0.33
8.00	7.99	0.01	0.54
16.00	16.10	-0.25	0.44
32.00	32.25	-0.25	0.85
62.00	62.40	-0.40	6.42
63.94	64.72	-0.78	7.92

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.97	0.03	0.43
10.00	10.02	-0.02	0.47
15.00	14.99	0.01	0.42
20.00	20.12	-0.12	0.57
25.00	25.12	-0.12	0.74
30.00	30.20	-0.20	0.84
35.00	35.21	-0.21	0.95
40.00	40.25	-0.25	1.16
45.00	45.26	-0.26	1.55
50.00	50.22	-0.22	2.18
55.00	55.32	-0.32	3.30
60.00	60.28	-0.28	5.23

QA/QC Approval:  PMI QA 1

Date: 3/5/20



SUMMARY TEST DATA ON DTA-0R4G18G-60-CD-1

PL27669/2005

