



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

Customer: _____
 Job No: _____
 Model No: DTA-0R4G18G-60-CD-1
 Serial No: PL27931/2008

Tested By: K. Mansfield
 Date: Thursday, February 27, 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.	3.5 dB See Plot	↓	
3	VSWR:	2.0:1 Max.	1.9:1 See Plot		
4	Flatness to 20 dB:	± 1.0 dB Typ.	±0.58 dB See Plot		
6	Flatness to 40 dB:	± 1.25 dB Typ.	±1.18 dB See Plot		
7	Flatness to 60 dB:	± 3.0 dB Typ.	±4.59 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.	±0.08 dB See Plot		
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	±0.12 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	111 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	0.02	0.01
0.25	0.25	0.00	0.02
0.50	0.50	0.00	0.05
1.00	1.00	0.00	0.08
2.00	2.00	0.00	0.17
4.00	4.01	-0.01	0.36
8.00	8.01	-0.01	0.58
16.00	15.98	0.02	0.52
32.00	31.98	0.02	0.84
62.00	61.95	0.05	5.28
63.94	64.09	-0.16	6.38

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	5.00	0.00	0.45
10.00	10.00	0.00	0.56
15.00	14.94	0.06	0.55
20.00	19.97	0.03	0.54
25.00	24.92	0.08	0.64
30.00	29.97	0.03	0.79
35.00	34.92	0.08	0.95
40.00	39.96	0.04	1.18
45.00	44.90	0.10	1.50
50.00	50.00	0.00	2.06
55.00	54.88	0.12	2.90
60.00	60.10	-0.10	4.59

QA/QC Approval:  PMI
QA 1

Date: 2/27/20



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

PL27931/2008

