

**SUMMARY TEST DATA  
ON  
DTA-0R5G4G-60-CD-1-OPT12VDC**

Customer: \_\_\_\_\_  
Job No: \_\_\_\_\_  
Model No: DTA-0R5G4G-60-CD-1-OPT12VDC  
Serial No: PL47939/2435

Tested By: K. Mansfield  
Temperature: +25°C  
Date: Wednesday, August 28, 2024  
Drawing No: 27629331 Rev: A1

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	MEASURED VALUE	QA QC
1	Frequency Range:	0.5 GHz - 4 GHz	0.5 GHz - 4 GHz	PMI QA4
2	Insertion Loss:	2.7 dB Max.	1.9 dB See Graph	
3	VSWR:	1.8:1 Max.	1.3:1 See Graph	
4	Flatness up to 20dB:	± 0.5 dB Typ.	± 0.16 dB See Graph	
5	Flatness up to 40dB:	± 0.75 dB Typ.	± 0.73 dB See Graph	
6	Flatness up to 60dB:	± 1.0 dB Typ.	± 1.91 dB See Graph	
7	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	± 0.14 dB See Graph	
8	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	± 0.28 dB See Graph	
9	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	± 0.6 dB See Graph	
10	Switching Speed:	ON: 1.0 usec Max. OFF: 0.5 usec Max.	See Typical Characteristics	
11	DC Supply:	+12 VDC @ 100 mA	+12 VDC @ 184 mA	PMI QA4

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness
dB	dB	dB	±dB
0.06	0.05	0.01	0.01
0.13	0.12	0.01	0.01
0.25	0.25	0.00	0.02
0.50	0.50	0.00	0.02
1.00	1.00	0.00	0.02
2.00	1.99	0.01	0.02
4.00	3.97	0.03	0.03
8.00	7.95	0.05	0.06
16.00	15.86	0.14	0.14
32.00	31.72	0.28	0.45
62.00	61.40	0.60	2.10
63.94	63.48	0.46	2.45

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness
dB	dB	dB	±dB
5.00	4.90	0.10	0.03
10.00	9.95	0.05	0.07
15.00	14.86	0.14	0.13
20.00	19.88	0.12	0.16
25.00	24.82	0.18	0.24
30.00	29.81	0.19	0.40
35.00	34.76	0.24	0.53
40.00	39.75	0.25	0.73
45.00	44.70	0.30	0.95
50.00	49.68	0.32	1.21
55.00	54.40	0.60	1.54
60.00	59.57	0.43	1.91

QA/QC Approval: *Cameron Kelly*

Date: 8/28/24



