

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

Customer: _____
Job No: _____
Model No: DTA-0R4G18G-60-CD-1
Serial No: PL47121/2428

Tested By: K. Mansfield
Date: Friday, July 12, 2024
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 QA4 |
| 2 | Insertion Loss: | 4.8 dB Max. | 4.1 dB See Plot | |
| 3 | VSWR: | 2.0:1 Max. | 1.8:1 See Plot | |
| 4 | Flatness to 20 dB: | ± 1.0 dB Typ. | ±0.69 dB See Plot | |
| 6 | Flatness to 40 dB: | ± 1.25 dB Typ. | ±1.12 dB See Plot | |
| 7 | Flatness to 60 dB: | ± 3.0 dB Typ. | ±3.6 dB See Plot | |
| 8 | Accuracy of Attenuation 0 to 20 dB: | ± 1.0 dB Typ. | ±0.07 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. | ±0.2 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: | +15 VDC @ 150 mA Max. | 114 mA | PMI QA4 |

| Programed Attenuation | Attenuation | Accuracy of Attenuation | Flatness dB |
|-----------------------|-------------|-------------------------|-------------|
| dB | dB | dB | ±dB |
| 0.0625 | 0.06 | 0.00 | 0.02 |
| 0.125 | 0.12 | 0.01 | 0.04 |
| 0.25 | 0.24 | 0.01 | 0.05 |
| 0.50 | 0.49 | 0.01 | 0.06 |
| 1.00 | 0.98 | 0.02 | 0.09 |
| 2.00 | 1.98 | 0.02 | 0.15 |
| 4.00 | 3.98 | 0.02 | 0.26 |
| 8.00 | 7.99 | 0.01 | 0.36 |
| 16.00 | 16.03 | -0.10 | 0.50 |
| 32.00 | 32.10 | -0.10 | 0.96 |
| 62.00 | 62.17 | -0.17 | 4.10 |
| 63.94 | 64.14 | -0.21 | 4.53 |

| Programed Attenuation | Attenuation | Accuracy of Attenuation | Flatness dB |
|-----------------------|-------------|-------------------------|-------------|
| dB | dB | dB | ±dB |
| 5.00 | 4.97 | 0.03 | 0.29 |
| 10.00 | 10.04 | -0.04 | 0.36 |
| 15.00 | 14.98 | 0.02 | 0.46 |
| 20.00 | 20.07 | -0.07 | 0.69 |
| 25.00 | 25.06 | -0.06 | 0.84 |
| 30.00 | 30.11 | -0.11 | 0.90 |
| 35.00 | 35.13 | -0.13 | 0.93 |
| 40.00 | 40.15 | -0.15 | 1.12 |
| 45.00 | 45.11 | -0.11 | 1.39 |
| 50.00 | 50.16 | -0.16 | 1.77 |
| 55.00 | 55.05 | -0.05 | 2.43 |
| 60.00 | 60.20 | -0.20 | 3.60 |

QA/QC Approval: *Cameron Kelly*

Date: 7/18/24



