

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

Customer: _____
Job No: _____
Model No: DTA-0R5G4G-60-CD-OPT12VDC
Serial No: PL45714/2417

Tested By: K. Mansfield
Temperature: +25°C
Date: Monday, April 22, 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. | 2 dB See Graph | |
| 3 | VSWR: | 1.8:1 Max. | 1.4:1 See Graph | |
| 4 | Flatness up to 20dB: | ± 0.5 dB Typ. | ± 0.19 dB See Graph | |
| 5 | Flatness up to 40dB: | ± 0.75 dB Typ. | ± 0.49 dB See Ghaph | |
| 6 | Flatness up to 60dB: | ± 1.0 dB Typ. | ± 1.78 dB See Graph | |
| 7 | Accuracy of Attenuation 0 to 20 dB: | ± 1.0 dB Typ. | ± 0.48 dB See Graph | |
| 8 | Accuracy of Attenuation 20 to 40 dB: | ± 1.5 dB Typ. | ± 1.09 dB See Graph | |
| 9 | Accuracy of Attenuation 40 to 60 dB: | ± 2.0 dB Typ. | ± 0.82 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 @ 143 mA | |

| Programed Attenuation | Attenuation | Accuracy of Attenuation | Flatness dB |
|-----------------------|-------------|-------------------------|-------------|
| dB | dB | dB | ±dB |
| 0.06 | 0.06 | 0.00 | 0.02 |
| 0.13 | 0.12 | 0.01 | 0.02 |
| 0.25 | 0.24 | 0.01 | 0.03 |
| 0.50 | 0.48 | 0.02 | 0.04 |
| 1.00 | 0.98 | 0.02 | 0.04 |
| 2.00 | 1.97 | 0.03 | 0.04 |
| 4.00 | 3.97 | 0.03 | 0.03 |
| 8.00 | 7.98 | 0.02 | 0.14 |
| 16.00 | 15.79 | 0.21 | 0.18 |
| 32.00 | 30.98 | 1.02 | 0.24 |
| 62.00 | 61.81 | 0.19 | 1.94 |
| 63.94 | 63.91 | 0.02 | 2.00 |

| Programed Attenuation | Attenuation | Accuracy of Attenuation | Flatness dB |
|-----------------------|-------------|-------------------------|-------------|
| dB | dB | dB | ±dB |
| 5.00 | 4.76 | 0.24 | 0.05 |
| 10.00 | 9.97 | 0.03 | 0.19 |
| 15.00 | 14.78 | 0.22 | 0.18 |
| 20.00 | 19.52 | 0.48 | 0.19 |
| 25.00 | 24.12 | 0.88 | 0.19 |
| 30.00 | 28.98 | 1.02 | 0.21 |
| 35.00 | 33.91 | 1.09 | 0.31 |
| 40.00 | 39.18 | 0.82 | 0.49 |
| 45.00 | 44.31 | 0.69 | 0.70 |
| 50.00 | 49.49 | 0.51 | 0.96 |
| 55.00 | 54.74 | 0.26 | 1.32 |
| 60.00 | 59.74 | 0.26 | 1.78 |

QA/QC Approval: *Cameron Kelly*

Date: 04/23/2024



