

**SUMMARY TEST DATA
 ON
 DTA-1G18G-60-CD-5V**

Customer: _____ Tested By: K. Mansfield
 SO No: _____ Date: 4/1/2024
 Model No: DTA-1G18G-60-CD-5V Temperature: +25° C
 Serial No: PL40902/2323 Drawing No: _____ Rev: A1

| TEST ITEM NO. | PARAMETERS | SPECIFIED VALUE | TEST RESULTS | QA QC PMI QA2 | |
|---------------|---|-----------------|-----------------------------|---------------------|------------|
| 1 | Frequency Range: | 1 GHz – 18 GHz | 1 GHz – 18 GHz | | |
| 2 | Insertion Loss: | 4.8 dB Max. | 4.3 dB See Plot | | |
| 3 | VSWR: | 2.0:1 Max. | 1.8:1 See Plot | | |
| 4 | Flatness to 20 dB: | ± 1.0 dB Typ. | ±0.63 dB See Plot | | |
| 6 | Flatness to 40 dB: | ± 1.25 dB Typ. | ±1.56 dB See Plot | | |
| 7 | Flatness to 60 dB: | ± 3.0 dB Typ. | ±3.07 dB See Plot | | |
| 8 | Accuracy of Attenuation 0 to 20 dB: | ± 1.0 dB Typ. | ±0.42 dB See Plot | | |
| 9 | Accuracy of Attenuation 20 to 40 dB: | ± 1.5 dB Typ. | ±1 dB See Plot | | |
| 10 | Accuracy of Attenuation 40 to 60 dB: | ± 2.0 dB Typ. | ±1.25 dB See Plot | | |
| 11 | Switching Speed: | 1.0 us Max. | See Typical Characteristics | | |
| 12 | DC Supply: | +5 VDC | 291 mA | | PMI QA2 |

| Programed Attenuation | Attenuation | Accuracy of Attenuation | Flatness dB |
|-----------------------|-------------|-------------------------|-------------|
| dB | dB | dB | ±dB |
| 0.0625 | 0.21 | -0.15 | 0.03 |
| 0.125 | 0.39 | -0.27 | 0.04 |
| 0.25 | 0.24 | 0.01 | 0.07 |
| 0.50 | 0.48 | 0.02 | 0.08 |
| 1.00 | 0.98 | 0.02 | 0.14 |
| 2.00 | 1.99 | 0.01 | 0.22 |
| 4.00 | 4.00 | 0.00 | 0.23 |
| 8.00 | 8.09 | -0.09 | 0.24 |
| 16.00 | 16.30 | -0.80 | 0.63 |
| 32.00 | 32.80 | -0.80 | 0.76 |
| 62.00 | 62.67 | -0.67 | 2.32 |
| 63.94 | 62.73 | 1.21 | 2.80 |

| Programed Attenuation | Attenuation | Accuracy of Attenuation | Flatness dB |
|-----------------------|-------------|-------------------------|-------------|
| dB | dB | dB | ±dB |
| 5.00 | 5.17 | -0.17 | 0.27 |
| 10.00 | 10.14 | -0.14 | 0.37 |
| 15.00 | 15.32 | -0.32 | 0.39 |
| 20.00 | 20.42 | -0.42 | 0.54 |
| 25.00 | 25.63 | -0.63 | 0.75 |
| 30.00 | 30.75 | -0.75 | 0.85 |
| 35.00 | 35.94 | -0.94 | 1.28 |
| 40.00 | 41.00 | -1.00 | 1.56 |
| 45.00 | 46.11 | -1.11 | 1.73 |
| 50.00 | 51.15 | -1.15 | 2.01 |
| 55.00 | 56.21 | -1.21 | 2.18 |
| 60.00 | 61.25 | -1.25 | 3.07 |

QA/QC Approval: 

PMI
QA2

Date: 4/8/2024



