



SUMMARY TEST DATA ON DTA-2G18G-60-12-CD-1-20DBM-TS-NSI

Customer: _____

Tested By: S. O'Neill

Job No: _____

Date: Friday, April 8, 2022

Model No: DTA-2G18G-60-12-CD-1-20DBM-TS-NSI

Temperature: +25° C

Serial No: PL32283/2119

Drawing No: 27617795 Rev: A2

| TEST ITEM NO. | PARAMETERS | SPECIFIED VALUE | PASS/FAIL | QA QC | |
|---------------|---|---|--|------------|------------|
| 1 | Frequency Range: | 2 GHz – 18 GHz | 2 GHz – 18 GHz | PMI QA1 | |
| 2 | Insertion Loss: | 4.8 dB Max. | 4.2 dB See Plot | | |
| 3 | VSWR: | 2.0:1 Max. | 1.81:1 See Plot | | |
| 4 | Flatness to 20 dB: | ± 1.0 dB Typ. | 0.6 dB See Plot | | |
| 6 | Flatness to 40 dB: | ± 1.25 dB Typ. | 0.75 dB See Plot | | |
| 7 | Flatness to 60 dB: | ± 3.0 dB Typ. | 1.43 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. | 0.26 dB See Plot | | |
| 11 | Temp. Sensor: | 10mV/°C, 3.0V @ 25°C | 3.01 V | | |
| 12 | Switching Speed: | On Time: 1.0 µs Max. Off Time: 0.5 µs Max. | <1.0 µs On Time <0.5 µs Off Time See Typical Characteristics | | |
| 13 | DC Supply: | +15VDC @ 150 mA Max. | 120 mA | | PMI QA1 |

| Programed Attenuation | Attenuation | Accuracy of Attenuation | Flatness |
|-----------------------|-------------|-------------------------|----------|
| dB | dB | dB | ±dB |
| 0.015625 | 0.017646 | -0.002021 | 0.00 |
| 0.03125 | 0.03280 | -0.00155 | 0.00 |
| 0.0625 | 0.0621 | 0.0004 | 0.01 |
| 0.125 | 0.123 | 0.002 | 0.01 |
| 0.25 | 0.26 | -0.01 | 0.02 |
| 0.50 | 0.50 | 0.00 | 0.03 |
| 1.00 | 1.01 | -0.01 | 0.07 |
| 2.00 | 2.04 | -0.04 | 0.13 |
| 4.00 | 4.06 | -0.06 | 0.22 |
| 8.00 | 8.05 | -0.05 | 0.26 |
| 16.00 | 16.04 | -0.11 | 0.52 |
| 32.00 | 32.11 | -0.11 | 0.74 |

| Programed Attenuation | Attenuation | Accuracy of Attenuation | Flatness |
|-----------------------|-------------|-------------------------|----------|
| dB | dB | dB | ±dB |
| 5.00 | 4.93 | 0.07 | 0.23 |
| 10.00 | 10.05 | -0.05 | 0.31 |
| 15.00 | 14.97 | 0.03 | 0.48 |
| 20.00 | 20.05 | -0.05 | 0.60 |
| 25.00 | 25.04 | -0.04 | 0.69 |
| 30.00 | 30.11 | -0.11 | 0.75 |
| 35.00 | 35.11 | -0.11 | 0.72 |
| 40.00 | 40.15 | -0.15 | 0.63 |
| 45.00 | 45.17 | -0.17 | 0.68 |
| 50.00 | 50.15 | -0.15 | 0.97 |
| 55.00 | 55.21 | -0.21 | 1.22 |
| 60.00 | 60.26 | -0.26 | 1.43 |

QA/QC Approval: 

PMI
QA1

Date: 4/11/22



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