



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

Customer: _____
 Job No: _____
 Model No: DTA-2G18G-60-12-CD-1-20DBM-TS-NSI
 Serial No: PL31989/2114

Tested By: S. O'Neill
 Date: Friday, April 8, 2022
 Temperature: +25° C
 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. | 4.4 dB See Plot | | |
| 3 | VSWR: | 2.0:1 Max. | 1.85:1 See Plot | | |
| 4 | Flatness to 20 dB: | ± 1.0 dB Typ. | 0.57 dB See Plot | | |
| 6 | Flatness to 40 dB: | ± 1.25 dB Typ. | 0.91 dB See Plot | | |
| 7 | Flatness to 60 dB: | ± 3.0 dB Typ. | 1.6 dB See Plot | | |
| 8 | Accuracy of Attenuation 0 to 20 dB: | ± 1.0 dB Typ. | 0.25 dB See Plot | | |
| 9 | Accuracy of Attenuation 20 to 40 dB: | ± 1.5 dB Typ. | 0.21 dB See Plot | | |
| 10 | Accuracy of Attenuation 40 to 60 dB: | ± 2.0 dB Typ. | 0.45 dB See Plot | | |
| 11 | Temp. Sensor: | 10mV/°C, 3.0V @ 25°C | 3.07 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 | ±dB |
| 0.015625 | 0.046920 | -0.031295 | 0.02 |
| 0.03125 | 0.06277 | -0.03152 | 0.02 |
| 0.0625 | 0.0945 | -0.0320 | 0.02 |
| 0.125 | 0.164 | -0.039 | 0.03 |
| 0.25 | 0.30 | -0.05 | 0.04 |
| 0.50 | 0.56 | -0.06 | 0.06 |
| 1.00 | 1.09 | -0.09 | 0.12 |
| 2.00 | 2.14 | -0.14 | 0.22 |
| 4.00 | 4.24 | -0.24 | 0.39 |
| 8.00 | 8.24 | -0.24 | 0.36 |
| 16.00 | 16.02 | 0.11 | 0.46 |
| 32.00 | 31.89 | 0.11 | 0.90 |

| Programed Attenuation | Attenuation | Accuracy of Attenuation | Flatness dB |
|-----------------------|-------------|-------------------------|-------------|
| dB | dB | dB | ±dB |
| 5.00 | 5.25 | -0.25 | 0.46 |
| 10.00 | 10.17 | -0.17 | 0.37 |
| 15.00 | 14.95 | 0.05 | 0.43 |
| 20.00 | 19.93 | 0.07 | 0.57 |
| 25.00 | 24.91 | 0.09 | 0.76 |
| 30.00 | 29.89 | 0.11 | 0.87 |
| 35.00 | 34.83 | 0.17 | 0.90 |
| 40.00 | 39.79 | 0.21 | 0.91 |
| 45.00 | 44.71 | 0.29 | 0.91 |
| 50.00 | 49.73 | 0.27 | 0.81 |
| 55.00 | 54.65 | 0.35 | 1.07 |
| 60.00 | 59.55 | 0.45 | 1.60 |

QA/QC Approval: _____

**PMI
QA1**

Date: 4/11/22



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