



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: PL32283/2119

Tested By: K. Wagaman
 Date: Wednesday, May 12, 2021
 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 QA 2 |
| 2 | Insertion Loss: | 4.8 dB Max. | 4 dB See Plot | |
| 3 | VSWR: | 2.0:1 Max. | 1.73:1 See Plot | |
| 4 | Flatness to 20 dB: | ± 1.0 dB Typ. | 0.48 dB See Plot | |
| 6 | Flatness to 40 dB: | ± 1.25 dB Typ. | 0.6 dB See Plot | |
| 7 | Flatness to 60 dB: | ± 3.0 dB Typ. | 1.4 dB See Plot | |
| 8 | Accuracy of Attenuation 0 to 20 dB: | ± 1.0 dB Typ. | 0.2 dB See Plot | |
| 9 | Accuracy of Attenuation 20 to 40 dB: | ± 1.5 dB Typ. | 0.09 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 | 3.03 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. | 118 mA | PMI QA 2 |

| Programed Attenuation | Attenuation | Accuracy of Attenuation | Flatness dB |
|-----------------------|-------------|-------------------------|-------------|
| dB | dB | dB | ±dB |
| 0.0156 | 0.0160 | 0.00 | 0.00 |
| 0.0313 | 0.0301 | 0.00 | 0.00 |
| 0.0625 | 0.0516 | 0.01 | 0.01 |
| 0.125 | 0.108 | 0.02 | 0.01 |
| 0.25 | 0.23 | 0.02 | 0.02 |
| 0.50 | 0.48 | 0.02 | 0.03 |
| 1.00 | 0.96 | 0.04 | 0.06 |
| 2.00 | 1.95 | 0.05 | 0.11 |
| 4.00 | 3.90 | 0.10 | 0.21 |
| 8.00 | 7.90 | 0.10 | 0.35 |
| 16.00 | 16.00 | -0.06 | 0.48 |
| 32.00 | 32.06 | -0.06 | 0.56 |

| Programed Attenuation | Attenuation | Accuracy of Attenuation | Flatness dB |
|-----------------------|-------------|-------------------------|-------------|
| dB | dB | dB | ±dB |
| 5.00 | 4.80 | 0.20 | 0.24 |
| 10.00 | 9.91 | 0.09 | 0.40 |
| 15.00 | 14.93 | 0.07 | 0.47 |
| 20.00 | 20.04 | -0.04 | 0.47 |
| 25.00 | 24.97 | 0.03 | 0.47 |
| 30.00 | 30.03 | -0.03 | 0.54 |
| 35.00 | 35.01 | -0.01 | 0.60 |
| 40.00 | 40.09 | -0.09 | 0.58 |
| 45.00 | 45.22 | -0.22 | 0.64 |
| 50.00 | 50.23 | -0.23 | 0.84 |
| 55.00 | 55.22 | -0.22 | 1.06 |
| 60.00 | 60.26 | -0.26 | 1.40 |

QA/QC Approval:  PMI QA 2

Date: 5/14/21



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