



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

Customer: _____
 Job No: _____
 Model No: DTA-2G18G-60-12-CD-1-20DBM-TS
 Serial No: PL27981/2009

Tested By: K. Mansfield
 Date: Friday, August 14, 2020
 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. | 3.7 dB See Plot | | |
| 3 | VSWR: | 2.0:1 Max. | 1.91:1 See Plot | | |
| 4 | Flatness to 20 dB: | ± 1.0 dB Typ. | 0.47 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. | 1.16 dB See Plot | | |
| 8 | Accuracy of Attenuation 0 to 20 dB: | ± 1.0 dB Typ. | 0.17 dB See Plot | | |
| 9 | Accuracy of Attenuation 20 to 40 dB: | ± 1.5 dB Typ. | 0.23 dB See Plot | | |
| 10 | Accuracy of Attenuation 40 to 60 dB: | ± 2.0 dB Typ. | 0.39 dB See Plot | | |
| 11 | Temp. Sensor: | 10mV/°C, 3.0V @ 25°C | 3.1 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 QA 2 |

| Programed Attenuation | Attenuation | Accuracy of Attenuation | Flatness dB |
|-----------------------|-------------|-------------------------|-------------|
| dB | dB | dB | ±dB |
| 0.0156 | 0.0183 | 0.00 | 0.01 |
| 0.0313 | 0.0317 | 0.00 | 0.01 |
| 0.0625 | 0.0613 | 0.00 | 0.01 |
| 0.125 | 0.118 | 0.01 | 0.01 |
| 0.25 | 0.24 | 0.01 | 0.02 |
| 0.50 | 0.49 | 0.01 | 0.03 |
| 1.00 | 0.98 | 0.02 | 0.05 |
| 2.00 | 1.96 | 0.04 | 0.10 |
| 4.00 | 3.93 | 0.07 | 0.18 |
| 8.00 | 7.90 | 0.10 | 0.29 |
| 16.00 | 15.86 | 0.16 | 0.36 |
| 32.00 | 31.84 | 0.16 | 0.75 |

| Programed Attenuation | Attenuation | Accuracy of Attenuation | Flatness dB |
|-----------------------|-------------|-------------------------|-------------|
| dB | dB | dB | ±dB |
| 5.00 | 4.88 | 0.12 | 0.22 |
| 10.00 | 9.90 | 0.10 | 0.31 |
| 15.00 | 14.83 | 0.17 | 0.35 |
| 20.00 | 19.83 | 0.17 | 0.47 |
| 25.00 | 24.77 | 0.23 | 0.66 |
| 30.00 | 29.82 | 0.18 | 0.74 |
| 35.00 | 34.77 | 0.23 | 0.74 |
| 40.00 | 39.80 | 0.20 | 0.62 |
| 45.00 | 44.81 | 0.19 | 0.47 |
| 50.00 | 49.69 | 0.31 | 0.55 |
| 55.00 | 54.72 | 0.28 | 0.78 |
| 60.00 | 59.61 | 0.39 | 1.16 |

QA/QC Approval:  PMI QA 2

Date: 8-17-2020



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