



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: PL26325/1933

Tested By: K. Mansfield
 Date: Friday, August 30, 2019
 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. | 3.4 dB See Plot | |
| 3 | VSWR: | 2.0:1 Max. | 1.72:1 See Plot | |
| 4 | Flatness to 20 dB: | ± 1.0 dB Typ. | 0.37 dB See Plot | |
| 6 | Flatness to 40 dB: | ± 1.25 dB Typ. | 0.71 dB See Plot | |
| 7 | Flatness to 60 dB: | ± 3.0 dB Typ. | 2.14 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. | 0.08 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 | 2.98V | |
| 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 |
| 0.0156 | 0.0116 | 0.00 | 0.00 |
| 0.0313 | 0.0274 | 0.00 | 0.00 |
| 0.0625 | 0.05 | 0.01 | 0.00 |
| 0.125 | 0.12 | 0.01 | 0.01 |
| 0.25 | 0.24 | 0.01 | 0.01 |
| 0.50 | 0.49 | 0.01 | 0.02 |
| 1.00 | 0.99 | 0.01 | 0.05 |
| 2.00 | 1.98 | 0.02 | 0.10 |
| 4.00 | 3.98 | 0.02 | 0.19 |
| 8.00 | 7.99 | 0.01 | 0.27 |
| 16.00 | 16.00 | -0.02 | 0.27 |
| 32.00 | 32.02 | -0.02 | 0.63 |

| Programed Attenuation | Attenuation | Accuracy of Attenuation | Flatness dB |
|-----------------------|-------------|-------------------------|-------------|
| dB | dB | dB | ±dB |
| 5.00 | 4.93 | 0.07 | 0.22 |
| 10.00 | 10.00 | 0.00 | 0.26 |
| 15.00 | 14.96 | 0.04 | 0.26 |
| 20.00 | 20.01 | -0.01 | 0.37 |
| 25.00 | 24.96 | 0.04 | 0.51 |
| 30.00 | 29.99 | 0.01 | 0.61 |
| 35.00 | 34.92 | 0.08 | 0.67 |
| 40.00 | 39.96 | 0.04 | 0.71 |
| 45.00 | 44.92 | 0.08 | 0.89 |
| 50.00 | 49.95 | 0.05 | 1.32 |
| 55.00 | 54.84 | 0.16 | 1.70 |
| 60.00 | 59.74 | 0.26 | 2.14 |

QA/QC Approval: [Signature]

PMI
QA1

Date: 8/30/19



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