



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: PL27985/2009

Tested By: K. Mansfield
 Date: Wednesday, October 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. | 3.8 dB See Plot | | |
| 3 | VSWR: | 2.0:1 Max. | 1.81:1 See Plot | | |
| 4 | Flatness to 20 dB: | ± 1.0 dB Typ. | 0.38 dB See Plot | | |
| 6 | Flatness to 40 dB: | ± 1.25 dB Typ. | 0.62 dB See Plot | | |
| 7 | Flatness to 60 dB: | ± 3.0 dB Typ. | 1.07 dB See Plot | | |
| 8 | Accuracy of Attenuation 0 to 20 dB: | ± 1.0 dB Typ. | 0.47 dB See Plot | | |
| 9 | Accuracy of Attenuation 20 to 40 dB: | ± 1.5 dB Typ. | 0.83 dB See Plot | | |
| 10 | Accuracy of Attenuation 40 to 60 dB: | ± 2.0 dB Typ. | 0.95 dB See Plot | | |
| 11 | Temp. Sensor: | 10 mV/°C, 3.0 V @ 25°C | 3 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. | 117 mA | | PMI QA 2 |

| Programed Attenuation | Attenuation | Accuracy of Attenuation | Flatness dB |
|-----------------------|-------------|-------------------------|-------------|
| dB | dB | dB | ±dB |
| -0.0156 | 0.0161 | -0.03 | 0.01 |
| -0.0313 | 0.0314 | -0.06 | 0.01 |
| 0.0625 | 0.0610 | 0.00 | 0.01 |
| 0.125 | 0.119 | 0.01 | 0.01 |
| 0.25 | 0.24 | 0.01 | 0.02 |
| 0.50 | 0.48 | 0.02 | 0.03 |
| 1.00 | 0.97 | 0.03 | 0.06 |
| 2.00 | 1.94 | 0.06 | 0.10 |
| 4.00 | 3.88 | 0.12 | 0.18 |
| 8.00 | 7.80 | 0.20 | 0.27 |
| 16.00 | 15.65 | 0.69 | 0.32 |
| 32.00 | 31.31 | 0.69 | 0.62 |

| Programed Attenuation | Attenuation | Accuracy of Attenuation | Flatness dB |
|-----------------------|-------------|-------------------------|-------------|
| dB | dB | dB | ±dB |
| 5.00 | 4.80 | 0.20 | 0.21 |
| 10.00 | 9.76 | 0.24 | 0.29 |
| 15.00 | 14.63 | 0.37 | 0.31 |
| 20.00 | 19.53 | 0.47 | 0.38 |
| 25.00 | 24.38 | 0.62 | 0.54 |
| 30.00 | 29.35 | 0.65 | 0.62 |
| 35.00 | 34.22 | 0.78 | 0.61 |
| 40.00 | 39.17 | 0.83 | 0.53 |
| 45.00 | 44.12 | 0.88 | 0.38 |
| 50.00 | 49.05 | 0.95 | 0.39 |
| 55.00 | 54.12 | 0.88 | 0.58 |
| 60.00 | 59.16 | 0.84 | 1.07 |

QA/QC Approval: PMI QA 2

Date: 10.15.2020



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