



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: PL33217/2130

Tested By: E. Kretz
 Date: Friday, July 30, 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. | 4.5 dB See Plot | | |
| 3 | VSWR: | 2.0:1 Max. | 1.83:1 See Plot | | |
| 4 | Flatness to 20 dB: | ± 1.0 dB Typ. | 0.53 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. | 2.85 dB See Plot | | |
| 8 | Accuracy of Attenuation 0 to 20 dB: | ± 1.0 dB Typ. | 0.18 dB See Plot | | |
| 9 | Accuracy of Attenuation 20 to 40 dB: | ± 1.5 dB Typ. | 0.05 dB See Plot | | |
| 10 | Accuracy of Attenuation 40 to 60 dB: | ± 2.0 dB Typ. | 0.8 dB See Plot | | |
| 11 | Temp. Sensor: | 10mV/°C, 3.0V @ 25°C | 3.01 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 |

| Programmed Attenuation | Attenuation | Accuracy of Attenuation | Flatness dB |
|------------------------|-------------|-------------------------|-------------|
| dB | dB | dB | ±dB |
| 0.0156 | -0.0333 | 0.05 | 0.01 |
| 0.0313 | -0.0217 | 0.05 | 0.01 |
| 0.0625 | -0.0016 | 0.06 | 0.01 |
| 0.125 | 0.052 | 0.07 | 0.02 |
| 0.25 | 0.17 | 0.08 | 0.02 |
| 0.50 | 0.40 | 0.10 | 0.04 |
| 1.00 | 0.90 | 0.10 | 0.07 |
| 2.00 | 1.87 | 0.13 | 0.13 |
| 4.00 | 3.87 | 0.13 | 0.23 |
| 8.00 | 7.86 | 0.14 | 0.35 |
| 16.00 | 15.99 | 0.03 | 0.48 |
| 32.00 | 31.97 | 0.03 | 0.71 |

| Programmed Attenuation | Attenuation | Accuracy of Attenuation | Flatness dB |
|------------------------|-------------|-------------------------|-------------|
| dB | dB | dB | ±dB |
| 5.00 | 4.82 | 0.18 | 0.27 |
| 10.00 | 9.90 | 0.10 | 0.39 |
| 15.00 | 14.92 | 0.08 | 0.47 |
| 20.00 | 20.02 | -0.02 | 0.53 |
| 25.00 | 24.98 | 0.02 | 0.63 |
| 30.00 | 29.99 | 0.01 | 0.68 |
| 35.00 | 34.95 | 0.05 | 0.71 |
| 40.00 | 40.02 | -0.02 | 0.63 |
| 45.00 | 44.90 | 0.10 | 0.58 |
| 50.00 | 49.99 | 0.01 | 0.71 |
| 55.00 | 55.03 | -0.03 | 1.11 |
| 60.00 | 60.80 | -0.80 | 2.85 |

QA/QC Approval: [Signature]

PMI
QA 2

Date: 7/30/2021



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