Quantic PMI
PLANAR MONOLITHICS

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

Customer: [redacted]
Job No: [redacted]
Model No: DTA-2G18G-60-12-CD-1-20DBM-TS-NSI
Serial No: PL42420/2340

Tested By: A. Mousavi
Date: Monday, May 6, 2024
Temperature: +25° C
Drawing No: 27040140 Rev: A2

| TEST ITEM NO. | PARAMETERS | SPECIFIED VALUE | PASS/FAIL | QA QC |
|---|---|---|---|---|
| 1 | Frequency Range: | 2 GHz – 18 GHz | 2 GHz – 18 GHz | PMI QA2 |
| 2 | Insertion Loss: | 4.8 dB Max. | 4.2 dB See Plot | |
| 3 | VSWR: | 2.0:1 Max. | 1.73:1 See Plot | |
| 4 | Flatness to 20 dB: | ± 1.0 dB Typ. | 0.46 dB See Plot | |
| 6 | Flatness to 40 dB: | ± 1.25 dB Typ. | 0.85 dB See Plot | |
| 7 | Flatness to 60 dB: | ± 3.0 dB Typ. | 3.72 dB See Plot | |
| 8 | Accuracy of Attenuation 0 to 20 dB: | ± 1.0 dB Typ. | 0.12 dB See Plot | |
| 9 | Accuracy of Attenuation 20 to 40 dB: | ± 1.5 dB Typ. | 0.24 dB See Plot | |
| 10 | Accuracy of Attenuation 40 to 60 dB: | ± 2.0 dB Typ. | 0.51 dB See Plot | |
| 11 | Temp. Sensor: | 10mV/°C, 3.0V @ 25°C | 3.0 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 QA2 |

| Programed Attenuation | Attenuation | Accuracy of Attenuation | Flatness dB |
|---|---|---|---|
| dB | dB | dB | ±dB |
| 0.015625 | 0.038972 | -0.023347 | 0.03 |
| 0.03125 | 0.05612 | -0.02487 | 0.03 |
| 0.0625 | 0.0907 | -0.0282 | 0.04 |
| 0.125 | 0.160 | -0.035 | 0.05 |
| 0.25 | 0.29 | -0.04 | 0.07 |
| 0.50 | 0.53 | -0.03 | 0.09 |
| 1.00 | 1.02 | -0.02 | 0.11 |
| 2.00 | 2.01 | -0.01 | 0.19 |
| 4.00 | 4.00 | 0.00 | 0.35 |
| 8.00 | 7.89 | 0.11 | 0.41 |
| 16.00 | 15.94 | 0.24 | 0.34 |
| 32.00 | 31.76 | 0.24 | 0.79 |

| Programed Attenuation | Attenuation | Accuracy of Attenuation | Flatness dB |
|---|---|---|---|
| dB | dB | dB | ±dB |
| 5.00 | 4.93 | 0.07 | 0.45 |
| 10.00 | 9.96 | 0.04 | 0.33 |
| 15.00 | 14.88 | 0.12 | 0.32 |
| 20.00 | 19.91 | 0.09 | 0.46 |
| 25.00 | 24.83 | 0.17 | 0.62 |
| 30.00 | 29.80 | 0.20 | 0.77 |
| 35.00 | 34.81 | 0.19 | 0.82 |
| 40.00 | 39.86 | 0.14 | 0.85 |
| 45.00 | 44.97 | 0.03 | 1.14 |
| 50.00 | 49.84 | 0.16 | 1.39 |
| 55.00 | 55.17 | -0.17 | 2.05 |
| 60.00 | 60.51 | -0.51 | 3.72 |

QA/QC Approval: PMI QA2 Date: 5/8/2024

7309-A Grove Road Frederick, MD 21704 USA Phone: (301)662-5019 Fax: (301)662-1731
Email: sales@pmi-rf.com

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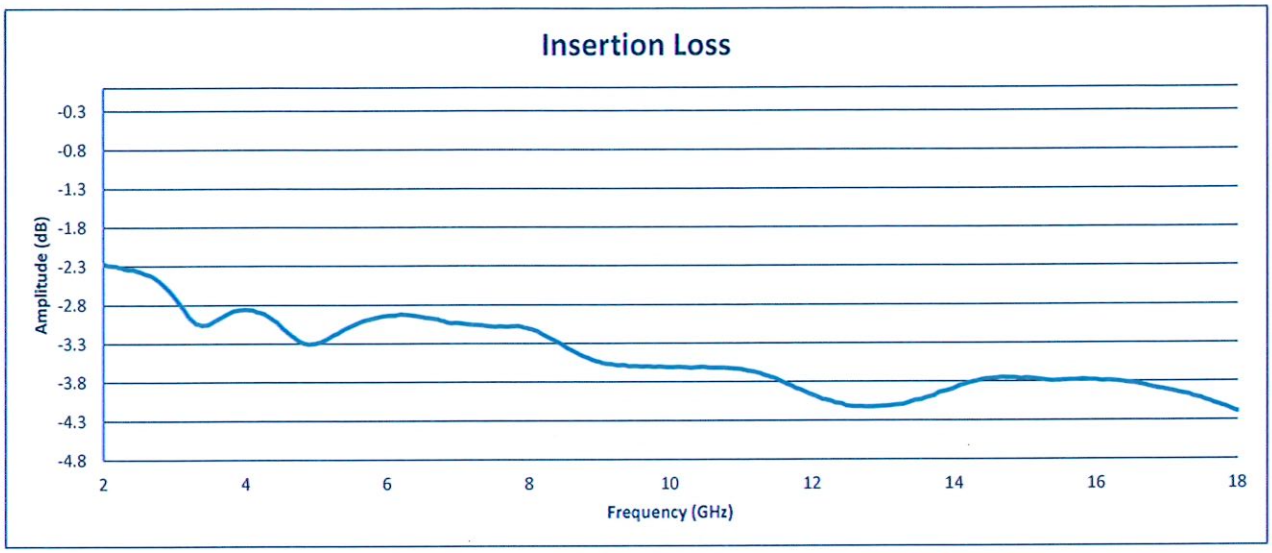


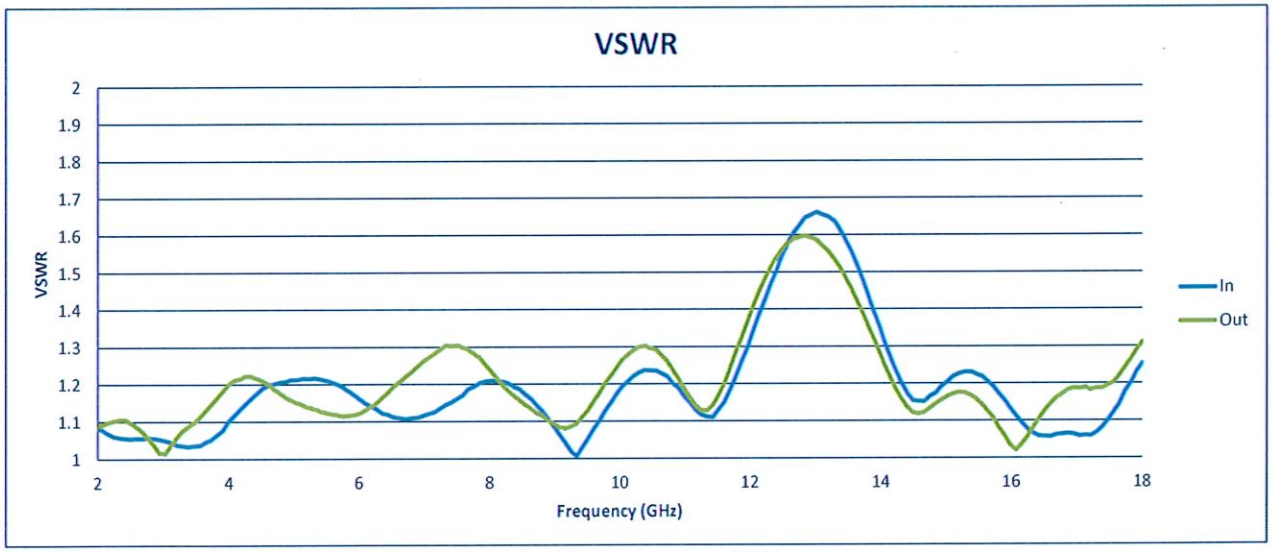


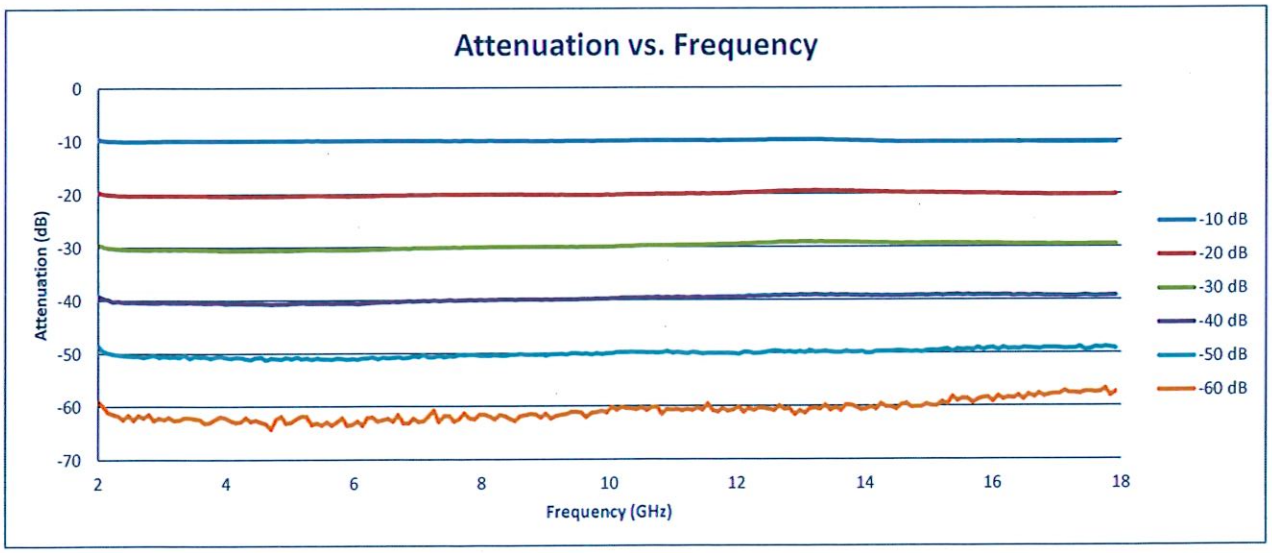


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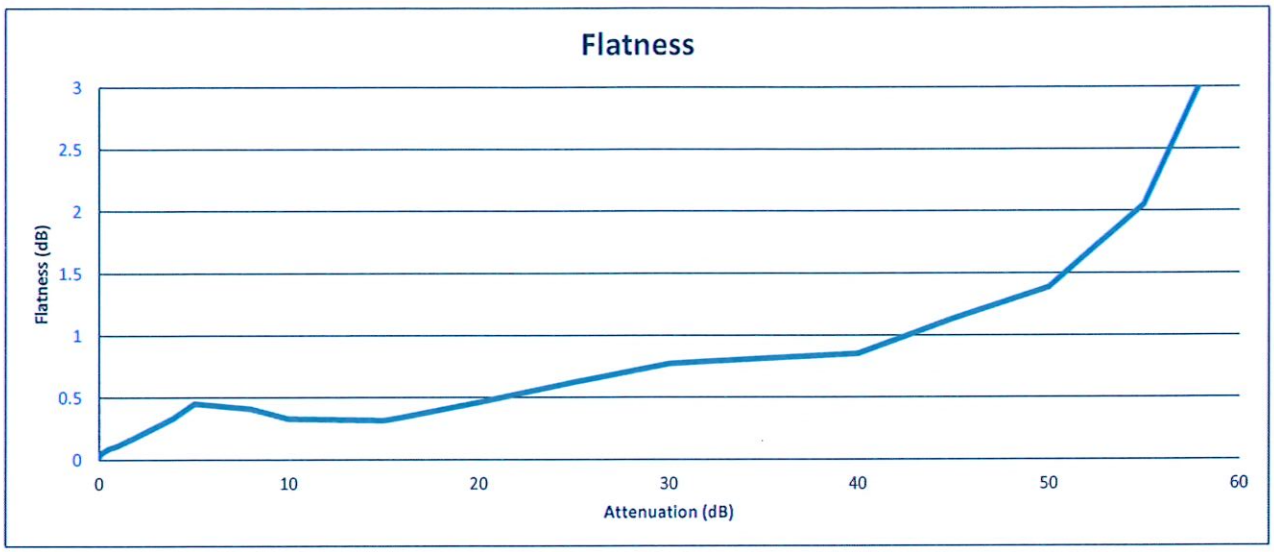


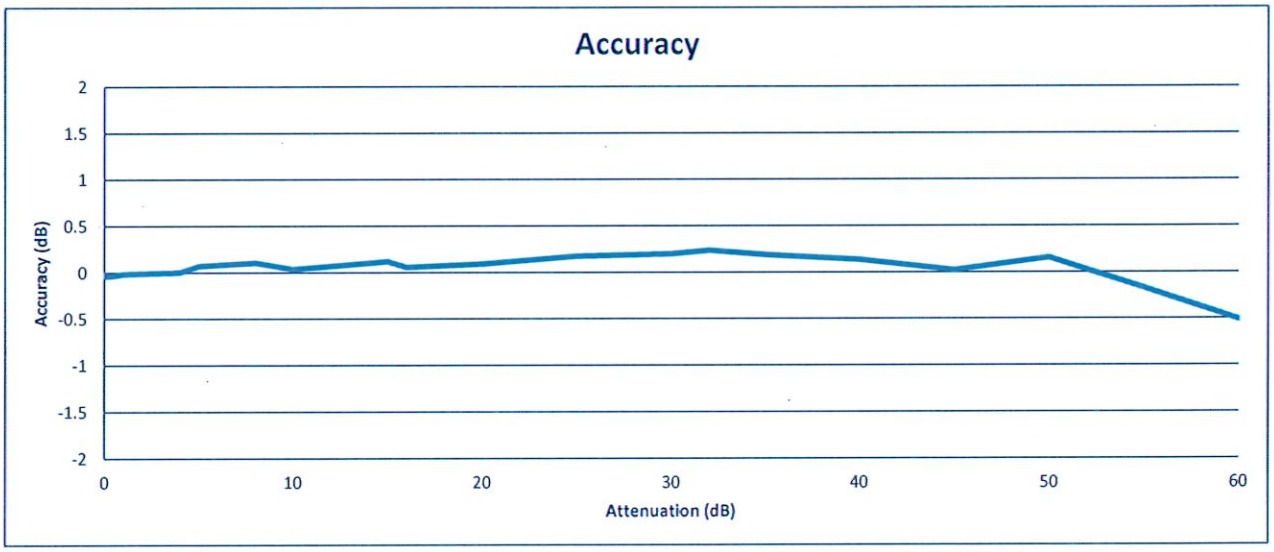


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