Quantic PMI
PLANAR MONOLITHICS

# SUMMARY TEST DATA ON DTA-0R5G18G-60-CD-4

Customer: [redacted]
Job No: [redacted]
Model No: DTA-0R5G18G-60-CD-4
Serial No: PL46524/2423

Tested By: A. Mousavi
Date: Thursday, June 6, 2024
Temperature: +25° C
Drawing No: 27641860 Rev: A1

| TEST ITEM NO. | PARAMETERS | SPECIFIED VALUE | RESULTS | QA QC |
|---|---|---|---|---|
| 1 | Frequency Range: | 0.5 GHz – 18 GHz | 0.5 GHz – 18 GHz | PMI QA4 |
| 2 | Insertion Loss: | 4.8 dB Max. | 3.5 dB See Plot | |
| 3 | VSWR: | 2.0:1 Max. | 2:1 See Plot | |
| 4 | Flatness to 20 dB: | ± 1.0 dB Typ. | ±0.54 dB See Plot | |
| 6 | Flatness to 40 dB: | ± 1.25 dB Typ. | ±1.13 dB See Plot | |
| 7 | Flatness to 60 dB: | ± 3.0 dB Typ. | ±3.77 dB See Plot | |
| 8 | Accuracy of Attenuation 0 to 20 dB: | ± 1.0 dB Typ. | ±0.11 dB See Plot | |
| 9 | Accuracy of Attenuation 20 to 40 dB: | ± 1.5 dB Typ. | ±0.17 dB See Plot | |
| 10 | Accuracy of Attenuation 40 to 60 dB: | ± 2.0 dB Typ. | ±0.44 dB See Plot | |
| 11 | Switching Speed: | 1.0 µs Max. On | < 1.0 us See Typical Characteristics | |
| 12 | DC Supply: | +15 VDC @ 150 mA Max. | 120 mA | PMI QA4 |

| Programed Attenuation | Attenuation | Accuracy of Attenuation | Flatness dB |
|---|---|---|---|
| dB | dB | dB | ±dB |
| 0.0625 | 0.00 | 0.06 | 0.01 |
| 0.125 | 0.13 | 0.00 | 0.04 |
| 0.25 | 0.25 | 0.00 | 0.06 |
| 0.50 | 0.50 | 0.00 | 0.09 |
| 1.00 | 1.01 | -0.01 | 0.13 |
| 2.00 | 2.02 | -0.02 | 0.25 |
| 4.00 | 4.04 | -0.04 | 0.45 |
| 8.00 | 8.08 | -0.08 | 0.54 |
| 16.00 | 16.11 | -0.10 | 0.42 |
| 32.00 | 32.10 | -0.10 | 0.71 |
| 62.00 | 62.27 | -0.27 | 3.61 |
| 63.94 | 63.94 | -0.01 | 4.08 |

| Programed Attenuation | Attenuation | Accuracy of Attenuation | Flatness dB |
|---|---|---|---|
| dB | dB | dB | ±dB |
| 5.00 | 5.06 | -0.06 | 0.53 |
| 10.00 | 10.10 | -0.10 | 0.47 |
| 15.00 | 15.01 | -0.01 | 0.44 |
| 20.00 | 20.08 | -0.08 | 0.45 |
| 25.00 | 25.08 | -0.08 | 0.54 |
| 30.00 | 30.12 | -0.12 | 0.67 |
| 35.00 | 35.15 | -0.15 | 0.87 |
| 40.00 | 40.17 | -0.17 | 1.13 |
| 45.00 | 45.16 | -0.16 | 1.66 |
| 50.00 | 50.17 | -0.17 | 1.81 |
| 55.00 | 55.21 | -0.21 | 2.49 |
| 60.00 | 60.44 | -0.44 | 3.77 |

QA/QC Approval: Cameron Kelly Date: 6/7/24

7309-A Grove Road, Frederick, MD 21704 USA TEL: (301) 662-5019, FAX: (301) 662-1731
WEB: www.pmi-rf.com, EMAIL: sales@pmi-rf.com

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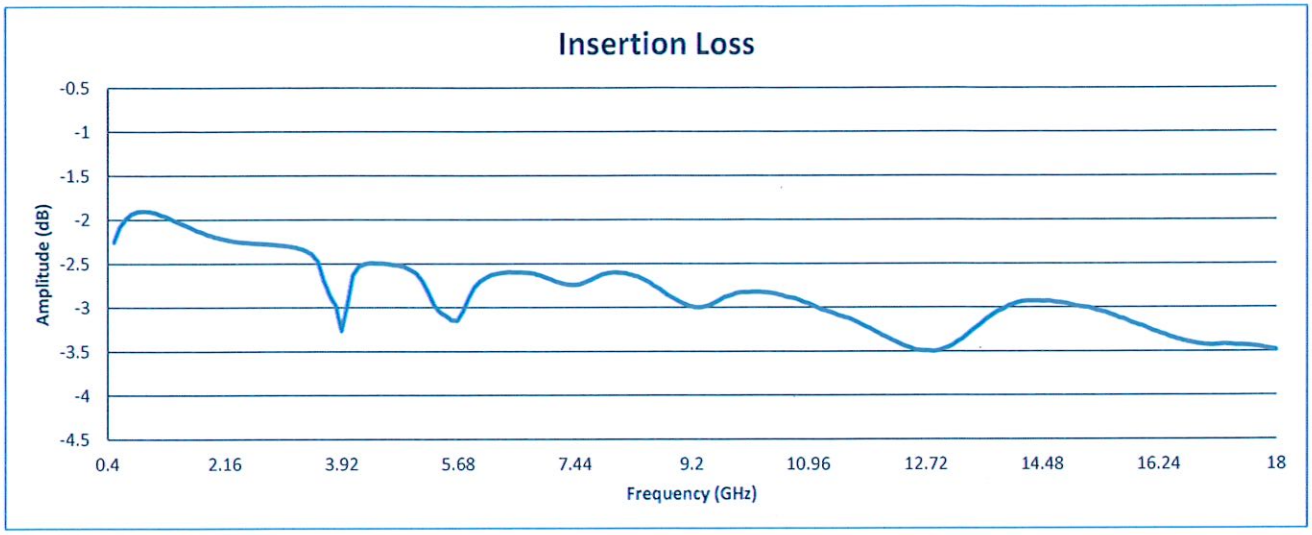


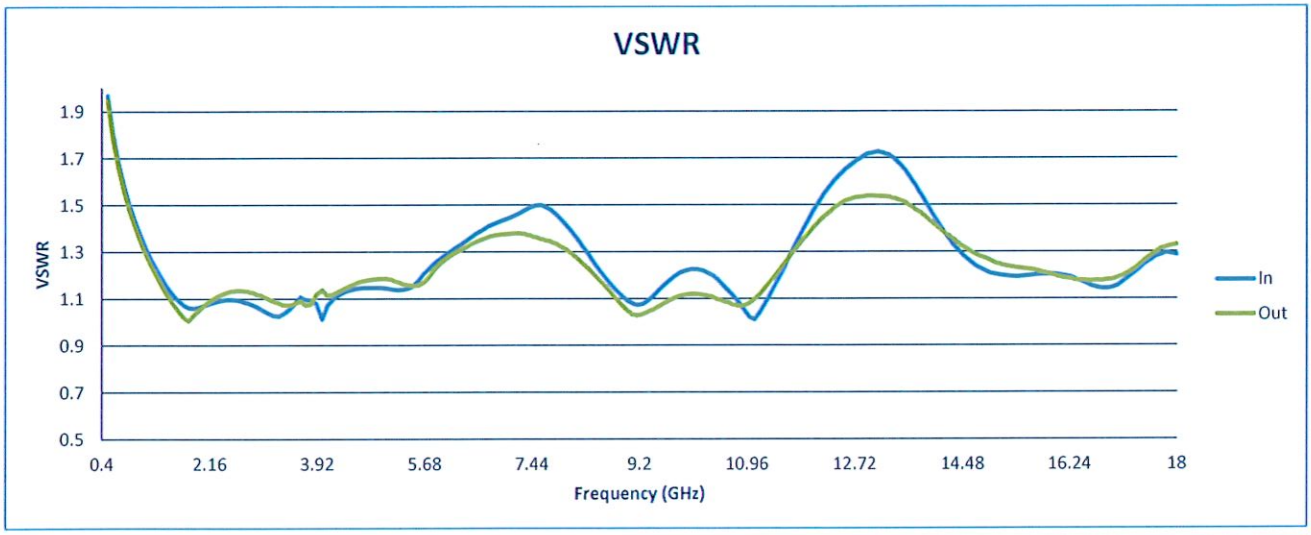


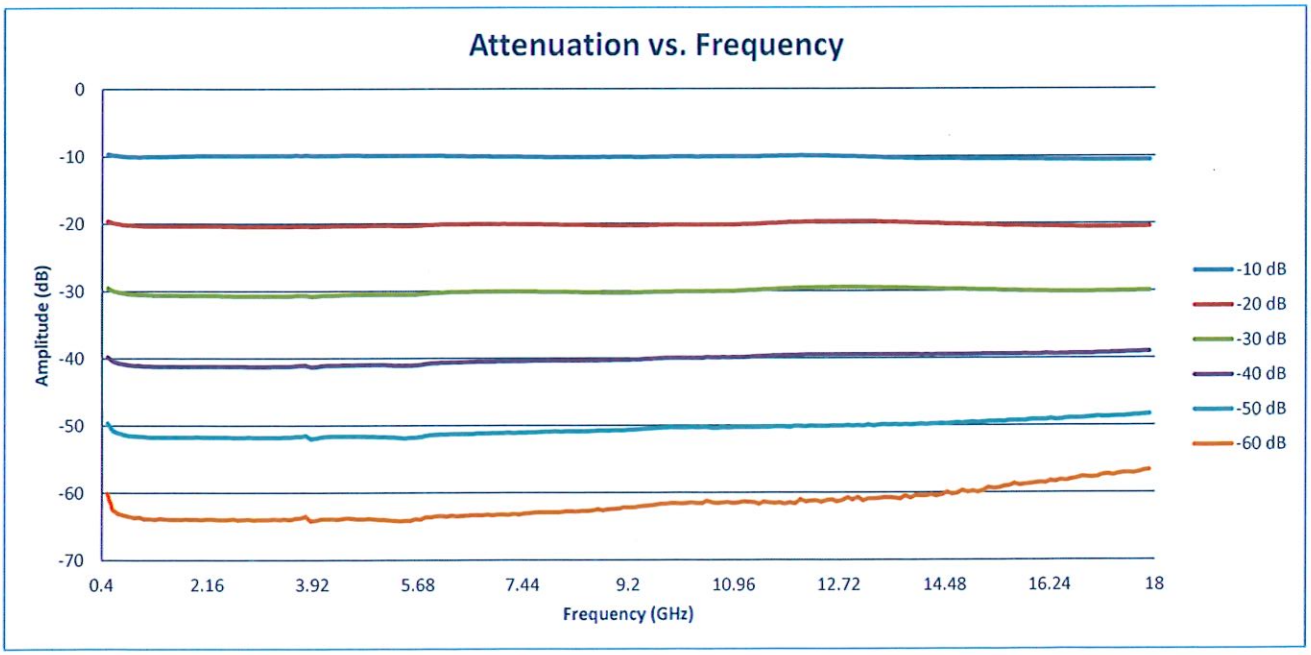


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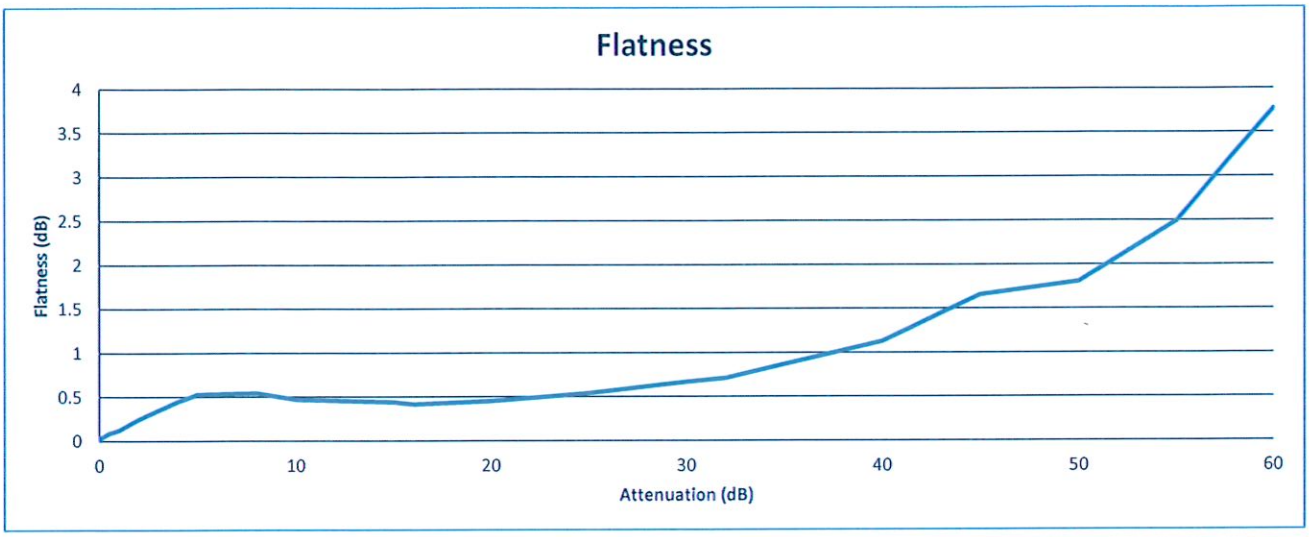


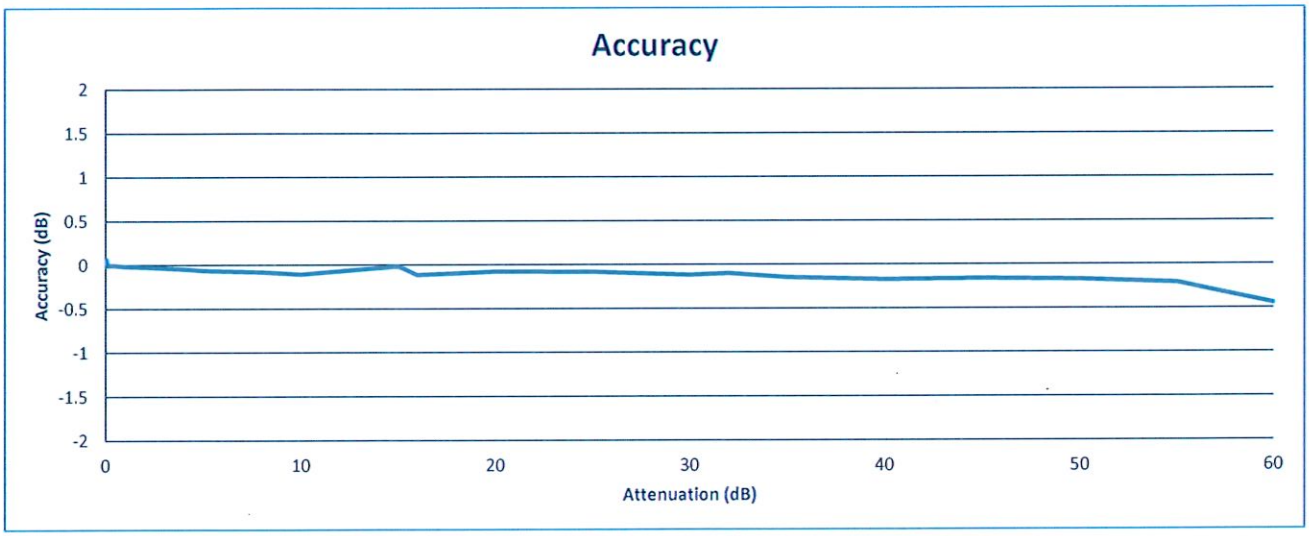


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