# SUMMARY TEST DATA
# ON
# DTA-18G40G-50-CD-1

**Customer:** _____ **Tested By:** K. Mansfield

**Job No:** _____ **Date:** Thursday, February 10, 2022

**Model No:** DTA-18G40G-50-CD-1 **Temperature:** +25° C

**Serial No:** PL35581/2206 **Drawing No:** 27628621 **Rev:** A1

| TEST ITEM NO. | PARAMETERS | SPECIFIED VALUE | RESULTS | QA QC |
|---|---|---|---|---|
| 1 | Frequency Range: | 18 GHz – 40 GHz | 18 GHz – 40 GHz | PMI QA 2 |
| 2 | Mean Attenuation Range: | 50 dB | 51.1 dB | |
| 3 | Insertion Loss: | 8.5 dB Typ. | 9.9 dB See Plot | |
| 4 | VSWR: | 2.5:1 Max. | 2.13:1 See Plot | |
| 5 | Flatness to 16 dB: | ±1.5 dB Typ. | ±0.41 dB See Plot | |
| 6 | Flatness to 32 dB: | ±1.5 dB Typ. | ±0.73 dB See Plot | |
| 7 | Flatness to 50 dB: | ±1.5 dB Typ. | ±1.11 dB See Plot | |
| 8 | Accuracy of Attenuation 0 to 16 dB: | ± 2.0 dB Typ. | ±0.21 dB See Plot | |
| 9 | Accuracy of Attenuation 16 to 32 dB: | ± 2.0 dB Typ. | ±0.14 dB See Plot | |
| 10 | Accuracy of Attenuation 32 to 50 dB: | ± 2.0 dB Typ. | ±0.07 dB See Plot | |
| 11 | Switching Speed: | On: 1.0 µs Max. Off: 0.5 µs Max. | See Typical Characteristics | |
| 12 | DC Supply: | +15VDC @ 100 mA Max. | 38 mA | PMI QA 2 |

| Programed Attenuation | Attenuation | Accuracy of Attenuation | Flatness dB |
|---|---|---|---|
| dB | dB | dB | ±dB |
| 0.05 | 0.01 | 0.04 | 0.00 |
| 0.10 | 0.03 | 0.07 | 0.01 |
| 0.20 | 0.06 | 0.14 | 0.01 |
| 0.40 | 0.14 | 0.26 | 0.33 |
| 0.80 | 0.32 | 0.48 | 0.04 |
| 1.60 | 0.90 | 0.70 | 0.09 |
| 3.20 | 2.99 | 0.21 | 0.26 |
| 6.40 | 6.27 | 0.13 | 0.56 |
| 12.80 | 12.66 | 0.14 | 1.06 |
| 25.60 | 25.42 | 0.18 | 1.55 |

| Programed Attenuation | Attenuation | Accuracy of Attenuation | Flatness dB |
|---|---|---|---|
| dB | dB | dB | ±dB |
| 4.00 | 3.78 | 0.22 | 0.33 |
| 8.00 | 7.86 | 0.14 | 0.71 |
| 16.00 | 15.90 | 0.10 | 1.24 |
| 24.00 | 23.85 | 0.15 | 1.49 |
| 32.00 | 31.89 | 0.11 | 1.82 |
| 40.00 | 39.95 | 0.05 | 2.28 |
| 48.00 | 47.92 | 0.08 | 2.67 |
| 49.60 | 49.63 | -0.03 | 2.80 |
| 51.15 | 51.11 | 0.04 | 2.85 |
| | | | |

QA/QC Approval: _____ PMI QA 2 Date: 2/11/2022

7311-F Grove Road Frederick, MD 21704 USA Phone: (301)662-5019 Fax: (301)662-1731
Email: sales@pmi-rf.com

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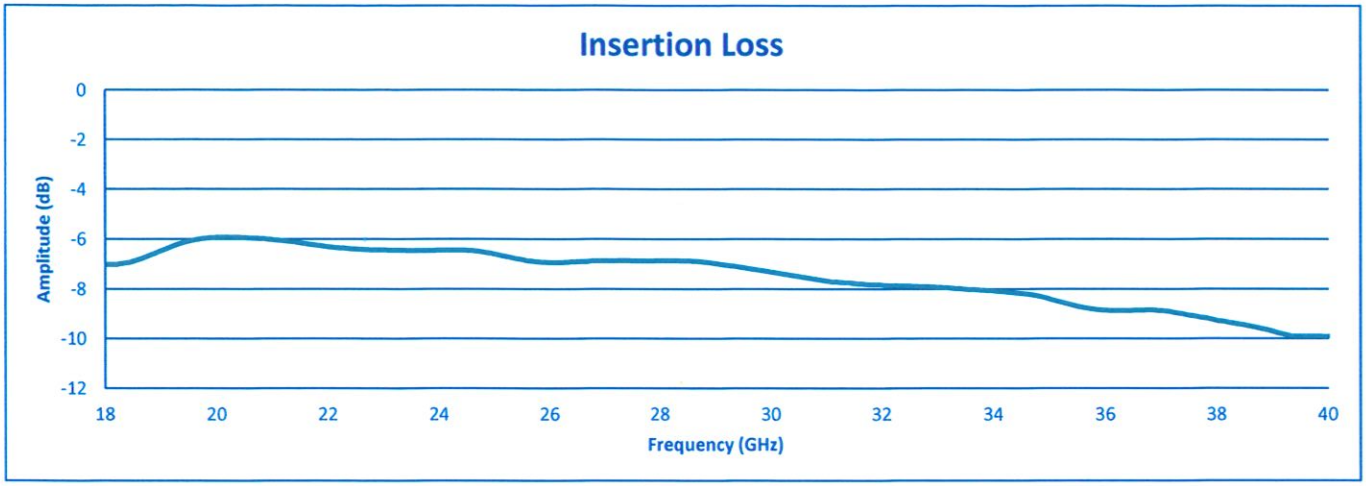
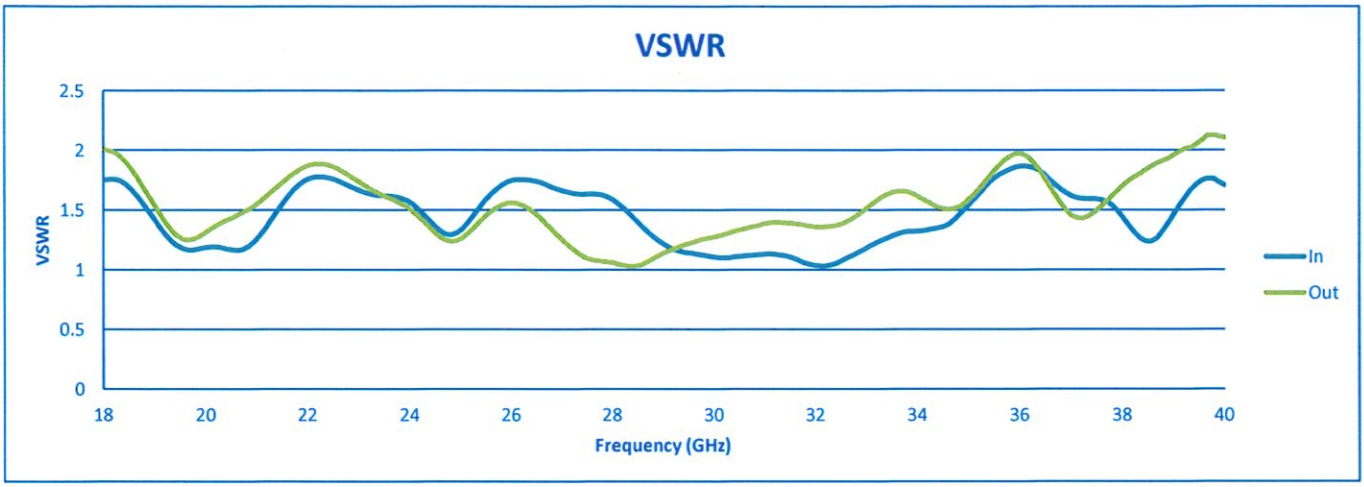
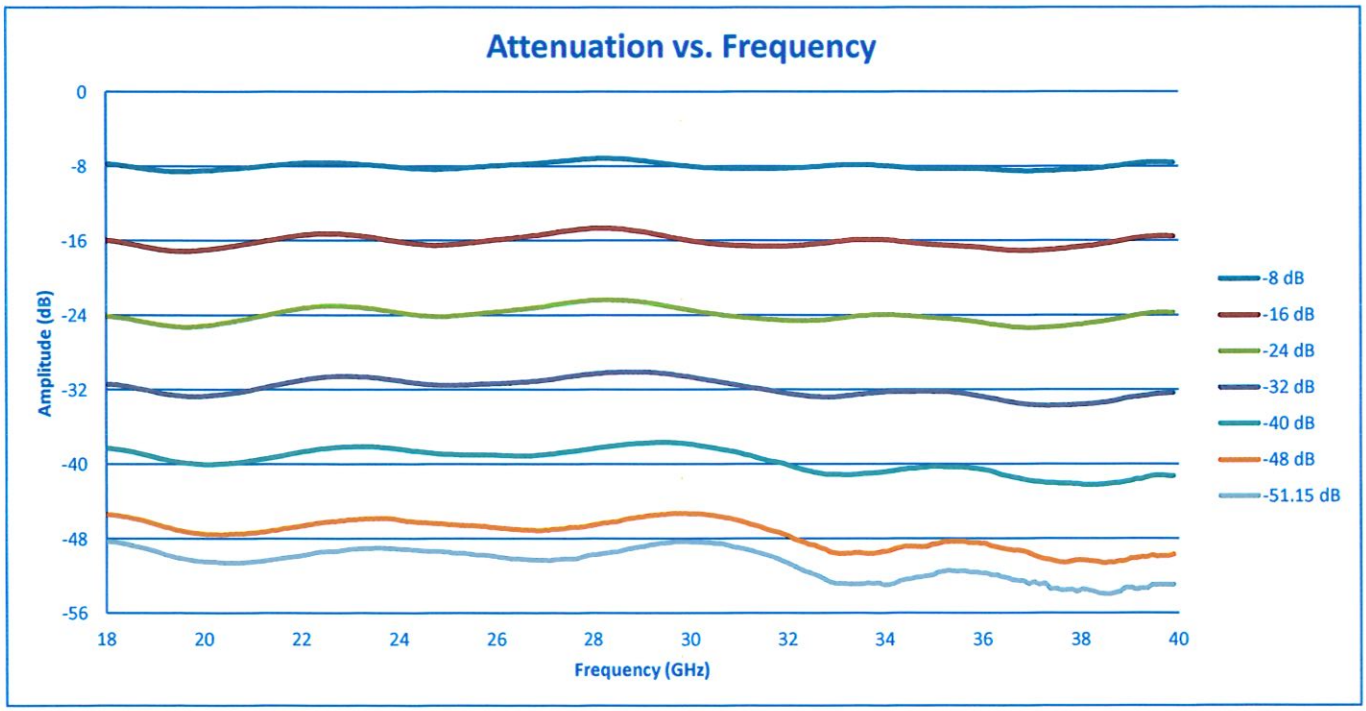
# DTA-18G40G-50-CD-1

PL35581/2206

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