

SUMMARY TEST DATA ON DTA-0R5G18G-60-CD-1

Customer: _____
 Job No: _____
 Model No: DTA-0R5G18G-60-CD-1
 Serial No: 44574
 Part No: _____

Tested By: A. Mousavi
 Date: 1/17/2025
 Temperature: +25° C
 Drawing No: 27617795 Rev: A2

| TEST ITEM NO. | PARAMETERS | SPECIFIED VALUE | RESULTS | QA QC | |
|---------------|---|-----------------------|---|--------------|--------------|
| 1 | Frequency Range: | 0.5 GHz – 18 GHz | 0.5 GHz – 18 GHz | PMI QA/QC | |
| 2 | Insertion Loss: | 4.8 dB Max. | 4.6 dB See Plot | | |
| 3 | VSWR: | 2.0:1 Max. | 1.7:1 See Plot | | |
| 4 | Flatness to 20 dB: | ± 1.5 dB Max. | ±0.46 dB See Plot | | |
| 6 | Flatness to 40 dB: | ± 1.75 dB Max. | ±0.92 dB See Plot | | |
| 7 | Flatness to 60 dB: | ± 5.0 dB Max. | ±3.33 dB See Plot | | |
| 8 | Accuracy of Attenuation 0 to 20 dB: | ± 1.0 dB Max. | ±0.13 dB See Plot | | |
| 9 | Accuracy of Attenuation 20 to 40 dB: | ± 1.5 dB Max. | ±0.21 dB See Plot | | |
| 10 | Accuracy of Attenuation 40 to 60 dB: | ± 2.0 dB Max. | ±0.24 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 QA/QC |

| Programed Attenuation | Attenuation | Accuracy of Attenuation | Flatness dB |
|-----------------------|-------------|-------------------------|-------------|
| dB | dB | dB | ±dB |
| 0.0625 | 0.08 | -0.02 | 0.03 |
| 0.125 | 0.14 | -0.01 | 0.03 |
| 0.25 | 0.25 | 0.00 | 0.04 |
| 0.50 | 0.50 | 0.00 | 0.06 |
| 1.00 | 0.99 | 0.01 | 0.09 |
| 2.00 | 2.00 | 0.00 | 0.18 |
| 4.00 | 4.00 | 0.00 | 0.32 |
| 8.00 | 8.02 | -0.02 | 0.39 |
| 16.00 | 16.13 | -0.16 | 0.31 |
| 32.00 | 32.16 | -0.16 | 0.81 |
| 62.00 | 62.07 | -0.07 | 3.70 |
| 63.94 | 64.24 | -0.30 | 3.97 |

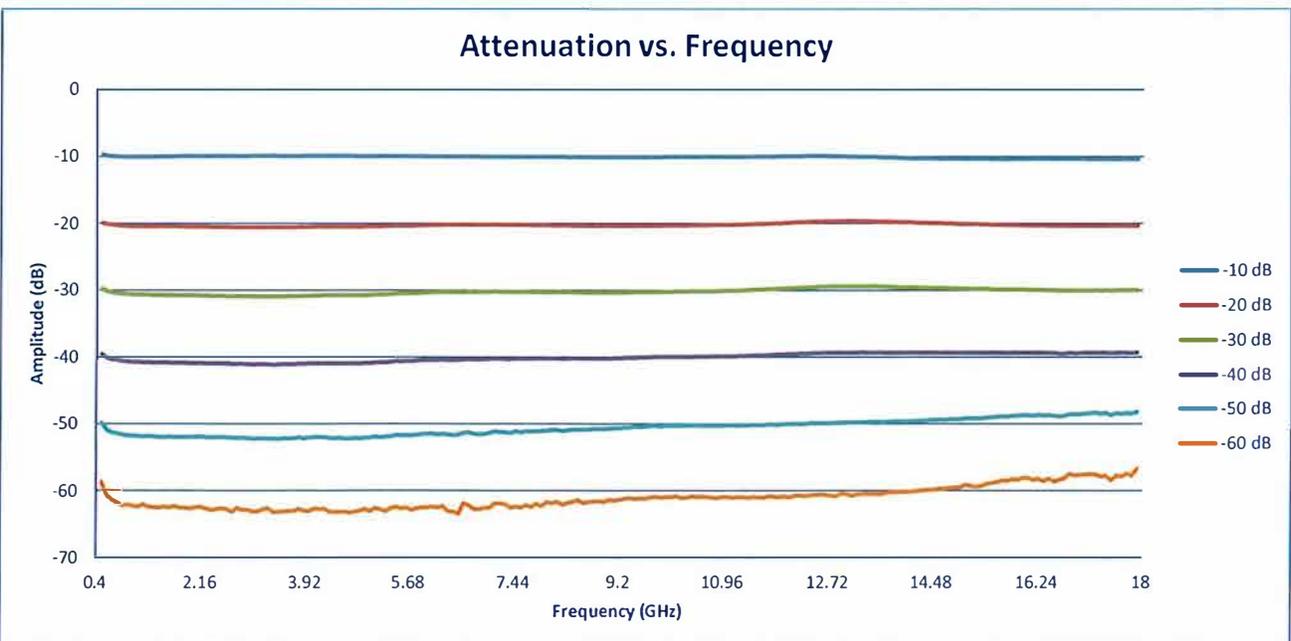
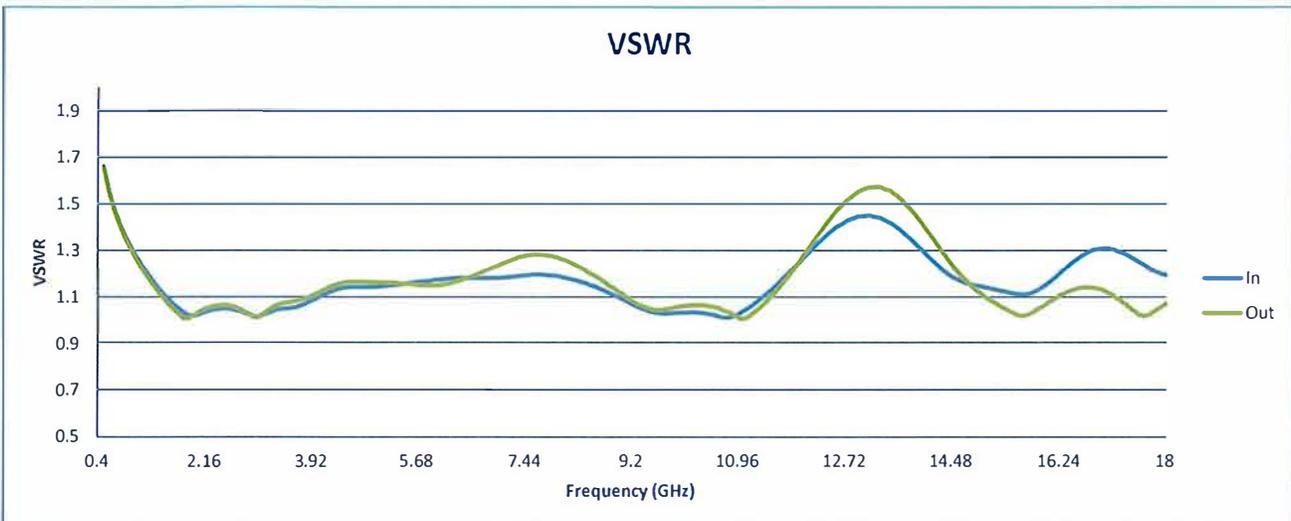
| Programed Attenuation | Attenuation | Accuracy of Attenuation | Flatness dB |
|-----------------------|-------------|-------------------------|-------------|
| dB | dB | dB | ±dB |
| 5.00 | 4.97 | 0.03 | 0.36 |
| 10.00 | 10.05 | -0.05 | 0.31 |
| 15.00 | 15.00 | 0.00 | 0.27 |
| 20.00 | 20.10 | -0.10 | 0.46 |
| 25.00 | 25.10 | -0.10 | 0.64 |
| 30.00 | 30.17 | -0.17 | 0.78 |
| 35.00 | 35.18 | -0.18 | 0.85 |
| 40.00 | 40.21 | -0.21 | 0.92 |
| 45.00 | 45.19 | -0.19 | 1.23 |
| 50.00 | 50.24 | -0.24 | 2.02 |
| 55.00 | 55.20 | -0.20 | 2.40 |
| 60.00 | 60.11 | -0.11 | 3.33 |

QA/QC Approval: *Commercy Kelly*

Date: 1/22/25

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