



**SUMMARY TEST DATA  
ON  
DTA-0R4G18G-60-CD-1**

Customer: \_\_\_\_\_ Tested By: A. Mousavi  
 Job No: \_\_\_\_\_ Date: Thursday, January 2, 2025  
 Model No: DTA-0R4G18G-60-CD-1 Temperature: +25° C  
 Serial No: PL50815/2501 Drawing No: 27037160 Rev: A2

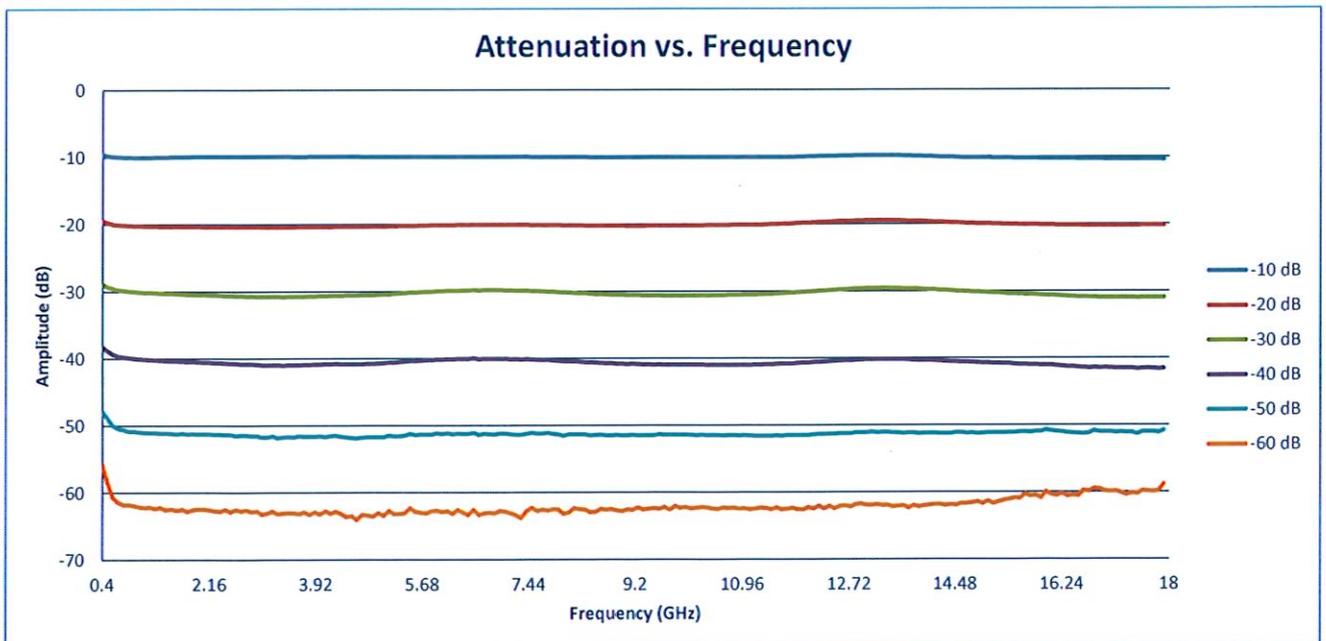
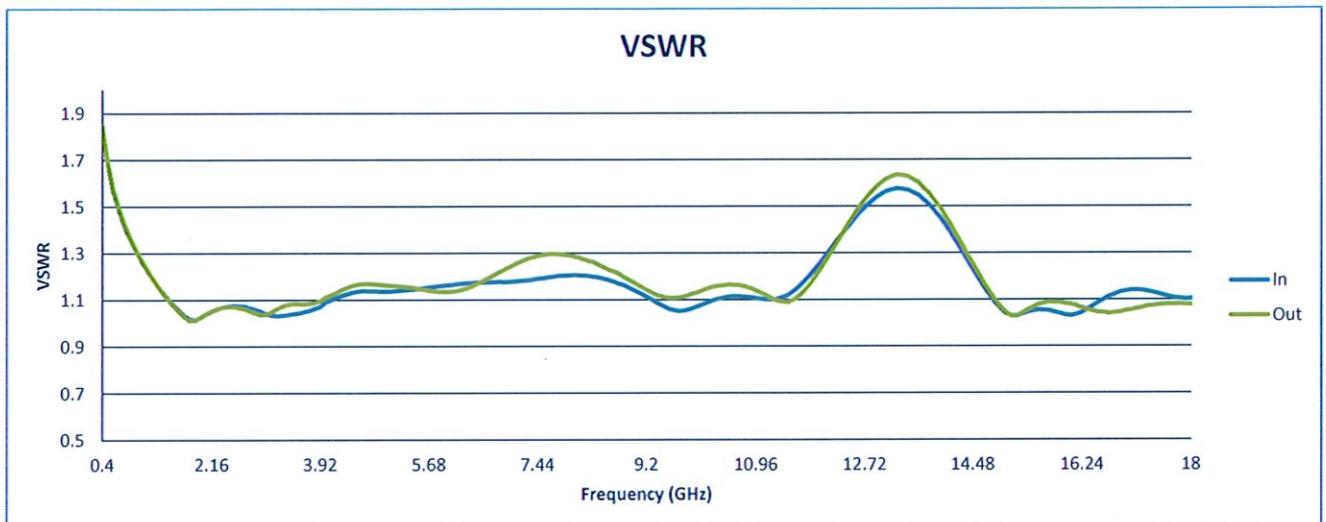
| TEST ITEM NO. | PARAMETERS                              | SPECIFIED VALUE                   | RESULTS                                 | QA QC   |
|---------------|-----------------------------------------|-----------------------------------|-----------------------------------------|---------|
| 1             | Frequency Range:                        | 0.4 GHz – 18 GHz                  | 0.4 GHz – 18 GHz                        | PMI QA4 |
| 2             | Insertion Loss:                         | 4.8 dB Max.                       | 4.5 dB<br>See Plot                      |         |
| 3             | VSWR:                                   | 2.0:1 Max.                        | 1.8:1<br>See Plot                       |         |
| 4             | Flatness to 20 dB:                      | ± 1.5 dB Max.                     | ±0.46 dB<br>See Plot                    |         |
| 6             | Flatness to 40 dB:                      | ± 1.75 dB Max.                    | ±1.67 dB<br>See Plot                    |         |
| 7             | Flatness to 60 dB:                      | ± 5.0 dB Max.                     | ±4.11 dB<br>See Plot                    |         |
| 8             | Accuracy of Attenuation<br>0 to 20 dB:  | ± 1.0 dB Max.                     | ±0.23 dB<br>See Plot                    |         |
| 9             | Accuracy of Attenuation<br>20 to 40 dB: | ± 1.5 dB Max.                     | ±0.15 dB<br>See Plot                    |         |
| 10            | Accuracy of Attenuation<br>40 to 60 dB: | ± 2.0 dB Max.                     | ±0.22 dB<br>See Plot                    |         |
| 11            | Switching Speed:                        | 1.0 µs Max. On<br>0.5 µs Max. Off | < 1.0 us<br>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                | 0.08        | -0.02                   | 0.03        |
| 0.125                 | 0.14        | -0.01                   | 0.04        |
| 0.25                  | 0.25        | 0.00                    | 0.06        |
| 0.50                  | 0.50        | 0.00                    | 0.09        |
| 1.00                  | 1.00        | 0.00                    | 0.11        |
| 2.00                  | 1.99        | 0.01                    | 0.17        |
| 4.00                  | 4.00        | 0.00                    | 0.28        |
| 8.00                  | 8.00        | 0.00                    | 0.38        |
| 16.00                 | 15.99       | 0.05                    | 0.37        |
| 32.00                 | 31.95       | 0.05                    | 1.23        |
| 62.00                 | 61.77       | 0.23                    | 4.68        |
| 63.94                 | 63.83       | 0.11                    | 5.56        |

| Programed Attenuation | Attenuation | Accuracy of Attenuation | Flatness dB |
|-----------------------|-------------|-------------------------|-------------|
| dB                    | dB          | dB                      | ±dB         |
| 5.00                  | 4.77        | 0.23                    | 0.33        |
| 10.00                 | 10.00       | 0.00                    | 0.40        |
| 15.00                 | 14.91       | 0.09                    | 0.40        |
| 20.00                 | 19.92       | 0.08                    | 0.46        |
| 25.00                 | 24.85       | 0.15                    | 0.69        |
| 30.00                 | 29.94       | 0.06                    | 1.06        |
| 35.00                 | 34.85       | 0.15                    | 1.57        |
| 40.00                 | 39.94       | 0.06                    | 1.67        |
| 45.00                 | 44.88       | 0.12                    | 2.10        |
| 50.00                 | 49.89       | 0.11                    | 2.00        |
| 55.00                 | 54.78       | 0.22                    | 2.74        |
| 60.00                 | 59.91       | 0.09                    | 4.11        |

QA/QC Approval: *Carmen Velez*

Date: 2/3/25



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