



# SUMMARY TEST DATA ON DTA-30M7D2G-60-CD-1

Customer: \_\_\_\_\_  
Job No: \_\_\_\_\_  
Model No: DTA-30M7D2G-60-CD-1  
Serial No: PL60998/2627

Tested By: J. Fitzpatrick/K. Mansfield  
Date: Wednesday, July 1, 2026  
Temperature: +25° C  
Drawing No: 27653940 Rev: A1

| TEST ITEM NO. | PARAMETERS               | SPECIFIED VALUE                                                                              | RESULTS                                                 | QA QC   |
|---------------|--------------------------|----------------------------------------------------------------------------------------------|---------------------------------------------------------|---------|
| 1             | Frequency Range:         | 30 MHz – 7.2 GHz                                                                             | 30 MHz – 7.2 GHz                                        | PMI QA5 |
| 2             | Mean Attenuation Range:  | 60 dB                                                                                        | 63.7 dB<br>See Plot                                     |         |
| 3             | Insertion Loss:          | 4.0 dB Max.                                                                                  | 3.21 dB<br>See Plot                                     |         |
| 4             | Return Loss:             | -8.5 dB Max.                                                                                 | -9.29 dB                                                |         |
| 5             | Attenuation Flatness:    | ±1.0 dB Typ. @ 10 dB<br>±1.5 dB Typ. @ 20 dB<br>±3.0 dB Typ. @ 40 dB<br>±5.0 dB Typ. @ 60 dB | ±0.46 dB<br>±0.4 dB<br>±0.57 dB<br>±1.76 dB<br>See Plot |         |
| 6             | Accuracy of Attenuation: | ±1.0 dB Typ. 0 dB to 30 dB<br>±1.3 dB Typ. 30 dB to 50 dB<br>±1.5 dB Typ. 50 dB to 60 dB     | ±0.12 dB<br>±0.09 dB<br>±0.1 dB<br>See Plot             |         |
| 7             | Switching Speed:         | 50 µs Max.                                                                                   | See Typical Characteristics                             |         |
| 8             | Monotonicity:            | Verify                                                                                       | Pass                                                    |         |
| 9             | DC Supply:               | +12 VDC @ 180 mA Max.                                                                        | 77 mA                                                   |         |

| Programed Attenuation | Attenuation | Accuracy of Attenuation | Flatness dB |
|-----------------------|-------------|-------------------------|-------------|
| dB                    | dB          | dB                      | ±dB         |
| 0.25                  | 0.24        | 0.01                    | 0.02        |
| 0.50                  | 0.50        | 0.00                    | 0.04        |
| 1.00                  | 0.99        | 0.01                    | 0.08        |
| 2.00                  | 1.98        | 0.02                    | 0.14        |
| 4.00                  | 3.97        | 0.03                    | 0.28        |
| 8.00                  | 7.97        | 0.03                    | 0.44        |
| 16.00                 | 15.95       | 0.05                    | 0.40        |
| 32.00                 | 31.91       | 0.09                    | 0.37        |
| 63.75                 | 63.73       | 0.02                    | 0.40        |
|                       |             |                         |             |
|                       |             |                         |             |
|                       |             |                         |             |

| Programed Attenuation | Attenuation | Accuracy of Attenuation | Flatness dB |
|-----------------------|-------------|-------------------------|-------------|
| dB                    | dB          | dB                      | ±dB         |
| 5.00                  | 4.96        | 0.04                    | 0.33        |
| 10.00                 | 9.99        | 0.01                    | 0.46        |
| 15.00                 | 14.94       | 0.06                    | 0.40        |
| 20.00                 | 19.97       | 0.03                    | 0.40        |
| 25.00                 | 24.93       | 0.07                    | 0.33        |
| 30.00                 | 29.97       | 0.03                    | 0.33        |
| 35.00                 | 34.96       | 0.04                    | 0.42        |
| 40.00                 | 39.97       | 0.03                    | 0.57        |
| 45.00                 | 44.97       | 0.03                    | 0.77        |
| 50.00                 | 49.96       | 0.04                    | 1.01        |
| 55.00                 | 54.96       | 0.04                    | 1.34        |
| 60.00                 | 59.90       | 0.10                    | 1.76        |

QA/QC Approval: *Jordan Ryan*

Date: 7/15/26



