

**SUMMARY TEST DATA  
ON  
PDVAN-5010-60-8**

Customer: \_\_\_\_\_  
Job No: \_\_\_\_\_  
Model No: PDVAN-5010-60-8  
Serial No: PL46530/2424

Tested By: K. Mansfield  
Date: Monday, June 10, 2024  
Temperature: +25° C  
Drawing No: 27623766 Rev: A1

| TEST ITEM NO. | PARAMETERS              | SPECIFIED VALUE  | MEASURED VALUE   | QA QC      |
|---------------|-------------------------|--|--|------------|
| 1             | Frequency Range:        | 5.0 GHz to 10.0 GHz  | 5.0 GHz to 10.0 GHz  | PMI<br>QA4 |
| 2             | Mean Attenuation Range: | 60 dB  | 65 dB  |            |
| 3             | Insertion Loss:         | 2.7 dB Max.  | 2.7 dB<br>See Plot   |            |
| 4             | VSWR:                   | 2.0:1 Max.   | 1.8:1<br>See Plot  |            |
| 5             | Power Rating:           | +20 dBm CW Min (Operating)<br>+30 dBm CW Max (Survival)  | Pass   |            |
| 6             | Attenuation Flatness:   | ±0.60 dB @ 10 dB Attenuation<br>±0.90 dB @ 20 dB Attenuation<br>±1.5 dB @ 40 dB Attenuation<br>±1.6 dB @ 60 dB Attenuation | ±0.17 dB @ 10 dB<br>±0.59 dB @ 20 dB<br>±1.18 dB @ 40 dB<br>±1.58 dB @ 60 dB<br>See Plot |            |
| 7             | Switching Speed:        | 500 nsec Max.  | See Typical Characteristics  |            |
| 8             | Digital Control:        | 8 Bit Positive True, Binary TTL  | Pass   |            |
| 9             | Monotonicity:           | Guarenteed   | Pass   |            |
| 10            | DC Supply:              | +12V to +15V @ 150mA Max.<br>-12V to -15V @ 75mA Max.  | +12 VDC @ 37 mA<br>-12 VDC @ 0 mA  |            |

| Programed Attenuation | Attenuation | Accuracy of Attenuation | Flatness dB |
|-----------------------|-------------|-------------------------|-------------|
| dB                    | dB          | dB                      | ±dB         |
| 10.00                 | 10.37       | -0.37                   | 0.17        |
| 20.00                 | 20.34       | -0.34                   | 0.59        |
| 30.00                 | 29.89       | 0.11                    | 0.96        |
| 40.00                 | 39.95       | 0.05                    | 1.18        |
| 50.00                 | 49.86       | 0.14                    | 1.31        |
| 60.00                 | 60.36       | -0.36                   | 1.58        |
| 63.75                 | 65.35       | -1.60                   | 1.86        |

QA/QC Approval: *Cameron Kelley*

Date: 06/10/2024

