



SUMMARY TEST DATA ON PDVAT-0518-60-8-96

Customer: _____
 Job No: _____
 Model No: PDVAT-0518-60-8-96
 Serial No: PL30520/2043

Tested By: K. Mansfield
 Date: Friday, October 23, 2020
 Temperature: +25° C
 Drawing No: 27621723 Rev: A2

| TEST. ITEM NO | PARAMETERS | SPECIFIED VALUE | PASS/FAIL | QA QC |
|---------------|---|--------------------------|---|-------------|
| 1 | Frequency Range: | 0.5 GHz – 18 GHz | 0.5 GHz – 18 GHz | PMI QA 2 |
| 2 | Insertion Loss: | 4.0 dB Max. | 2.5 dB See Plot | |
| 3 | Return Loss: | -12 dB Typ. -8.5 dB Max. | -11.4 dB See Plot | |
| 4 | Flatness @ 10 dB: | ±0.9 dB Typ. | ±0.89 dB See Plot | |
| 5 | Flatness @ 20 dB: | ±1.5 dB Typ. | ±0.47 dB See Plot | |
| 6 | Flatness @ 40 dB: | ±3.0 dB Typ. | ±1.5 dB See Plot | |
| 7 | Flatness @ 60 dB: | ±5.0 dB Typ. | ±4.69 dB See Plot | |
| 8 | Accuracy of Attenuation 0 to 30 dB: | ±1.0 dB Typ. | ±0.2 dB See Plot | |
| 9 | Accuracy of Attenuation 30 to 50 dB: | ±1.3 dB Typ. | ±0.37 dB See Plot | |
| 10 | Accuracy of Attenuation 50 to 60 dB: | ±1.5 dB Typ. | ±0.85 dB See Plot | |
| 11 | Switching Speed: | 1.5 us Max. | < 1.5 us See Typical Characteristics | |
| 12 | DC Supply: | +15 VDC @ 150 mA | 138 mA | |

| Programed Attenuation | Attenuation | Accuracy of Attenuation | Flatness dB |
|-----------------------|-------------|-------------------------|-------------|
| dB | dB | dB | ±dB |
| 0.25 | -0.30 | -0.05 | 0.02 |
| 0.50 | -0.58 | -0.08 | 0.04 |
| 1.00 | -1.14 | -0.14 | 0.08 |
| 2.00 | -2.20 | -0.20 | 0.15 |
| 4.00 | -4.14 | -0.14 | 0.36 |
| 8.00 | -8.02 | -0.02 | 0.76 |
| 16.00 | -16.06 | -0.06 | 0.46 |
| 32.00 | -32.11 | -0.11 | 0.67 |
| 63.75 | -62.82 | | |
| | | | |
| | | | |
| | | | |

| Programed Attenuation | Attenuation | Accuracy of Attenuation | Flatness dB |
|-----------------------|-------------|-------------------------|-------------|
| dB | dB | dB | ±dB |
| 5.00 | -5.12 | -0.12 | 0.48 |
| 10.00 | -10.01 | -0.01 | 0.89 |
| 15.00 | -14.96 | 0.04 | 0.50 |
| 20.00 | -20.03 | -0.03 | 0.47 |
| 25.00 | -25.01 | -0.01 | 0.60 |
| 30.00 | -30.10 | -0.10 | 0.66 |
| 35.00 | -34.95 | 0.05 | 0.88 |
| 40.00 | -39.88 | 0.12 | 1.50 |
| 45.00 | -44.74 | 0.26 | 2.02 |
| 50.00 | -49.63 | 0.37 | 3.03 |
| 55.00 | -54.47 | 0.53 | 3.92 |
| 60.00 | -59.15 | 0.85 | 4.69 |

QA/QC Approval:  PMI QA 2  Date: 10.28.2020



SUMMARY TEST DATA ON PDVAT-0518-60-8-96

PL30520/2043

