

SUMMARY TEST DATA ON PVVAN-4080-60-MP

Customer: _____ Tested By: G. Radtke
 Job No: _____ Temperature: +25° C
 Model No: PVVAN-4080-60-MP Date: 3/2/2021
 Serial No: 12988 Drawing No: 27622595 Rev: A1
 Part No: _____

| TEST ITEM NO. | PARAMETERS | SPECIFIED VALUE | TEST RESULTS | QA QC | |
|---------------|-------------------------|--|---|---------|---------|
| 1 | Frequency Range: | 4.0 GHz to 8.0 GHz | 4.0 GHz to 8.0 GHz | PMI QA2 | |
| 2 | Mean Attenuation Range: | 60 dB | 59.7 dB See Plot | | |
| 3 | Insertion Loss: | 2.5 dB Max. | 2.3 dB See Plot | | |
| 4 | VSWR: | 2.0:1 Max | 1.4:1 See Plot | | |
| 5 | Power Rating: | +20 dBm (Operating) +30 dBm (Survival) | Pass | | |
| 6 | Attenuation Flatness: | ± 0.5 dB Typ. @ 10 dB ± 1.0 dB Typ. @ 20 dB ± 1.5 dB Typ. @ 40 dB ± 1.6 dB Typ. @ 60 dB | ± 0.1 dB @ 10 dB ± 0.41 dB @ 20 dB ± 1.24 dB @ 40 dB ± 1.88 dB @ 60 dB See Plot | | |
| 7 | Switching Time: | 500 ns Max. | < 80 ns See Typical Characteristics | | |
| 8 | Control: | 10 dB / Volt Analog Controlled | Pass | | |
| 9 | Power Supply: | +12 VDC @ 100 mA Typ. -12 VDC @ 50 mA Typ. | +12 VDC @ 30 mA -12 VDC @ 0 mA | | PMI QA2 |

| Voltage Control (V) | Programmed Attenuation (dB) | Attenuation (dB) | Accuracy of Attenuation (dB) | Flatness (± dB) |
|---------------------|-----------------------------|------------------|------------------------------|-----------------|
| 1 | 10 | 10.02 | 0.02 | 0.10 |
| 2 | 20 | 19.92 | -0.08 | 0.41 |
| 3 | 30 | 29.99 | -0.01 | 0.89 |
| 4 | 40 | 40.02 | 0.02 | 1.24 |
| 5 | 50 | 50.02 | 0.02 | 1.47 |
| 6 | 60 | 59.72 | -0.28 | 1.88 |

QA/QC Approval:  PMI QA2 Date: 3/4/21

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