

**SUMMARY TEST DATA  
ON  
PVA-500M18G-60-SFF**

Customer: \_\_\_\_\_  
Job No: \_\_\_\_\_  
Model No: PVA-500M18G-60-SFF  
Serial No: PL45317/2413

Tested By: K. Mansfield  
Date: Thursday, March 28, 2024  
Temperature: +25° C  
Drawing No: 27622543 Rev: B1

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	PASS/FAIL	QA QC	
1	Frequency Range:	0.5 GHz to 18 GHz	0.5 GHz to 18 GHz	PMI QA2	
2	Insertion Loss:	0.5 to 12.0 GHz 4.5 dB Max. 12.0 to 18.0 GHz 5.2 dB Max.	4.1 dB 4.3 dB See Plot		
3	VSWR:	2.2:1 Max.	2:1 See Plot		
4	Attenuation Flatness:	0 - 30 dB ±2.5 dB Max. 30 - 40 dB ±3.5 dB Max. 40 - 50 dB ±4.5 dB Max. 50 - 60 dB ±5.5 dB Max.	±1.04 dB ±1.27 dB ±2.69 dB ±5.35 dB See Plot		
5	Attenuation Accuracy:	0 - 10 dB ±1.0 dB Max. 10 - 20 dB ±1.5 dB Max. 20 - 40 dB ±2.0 dB Max. 40 - 60 dB ±2.5 dB Max.	±0.35 dB ±0.26 dB ±0.9 dB ±1.3 dB See Plot		
6	Rise and Fall Time:	3 us Max.	< 2 µs See Typical Characteristics		
7	RF Power (Operating):	+20 dBm CW Max.	Pass		
8	RF Power (Survival):	+30 dBm CW Max.	Pass		
9	Control:	10 dB / Volt Analog Controlled	10.13 dB / Volt		
10	Power Supply:	+12 VDC @ 250 mA Max. -12 VDC @ 50 mA Max.	+12 VDC @ 113 mA -12 VDC @ 0 mA		PMI QA2

Voltage Control (mV)	Programmed Attenuation (dB)	Attenuation (dB)	Accuracy of Attenuation (dB)	Flatness (± dB)
1500	15	15.0	0.0	0.7
2500	25	25.5	0.5	0.9
3500	35	35.9	0.9	1.2
4500	45	46.0	1.0	1.9
5500	55	55.7	0.7	3.6

QA/QC Approval: 

PMI  
QA2

Date: 3/28/2024



