

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

Customer: _____
 Job No: _____
 Model No: PVA-500M18G-60-SFF
 Serial No: 44511
 Part No: _____

Tested By: K. Mansfield
 Date: Tuesday, November 5, 2024
 Temperature: +25° C
 Drawing No: 27622555 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 QA4
2	Insertion Loss:	0.5 to 12.0 GHz 4.5 dB Max. 12.0 to 18.0 GHz 5.2 dB Max.	3.9 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.	±1.4 dB ±2.07 dB ±2.91 dB ±4.34 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.	0.3 dB 0.5 dB 1.48 dB 2.13 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	Power Supply:	+12 VDC @ 250 mA Max. -12 VDC @ 50 mA Max.	+12 VDC @ 110 mA -12 VDC @ 0 mA	
10	Control:	10 dB / Volt Analog Controlled	Pass	PMI QA4

Voltage Control (mV)	Programmed Attenuation (dB)	Attenuation (dB)	Accuracy of Attenuation (dB)	Flatness (± dB)
1500	15	15.3	0.3	0.5
2500	25	25.7	0.7	1.0
3500	35	36.1	1.1	1.8
4500	45	46.5	1.5	2.4
5500	55	57.1	2.1	3.5

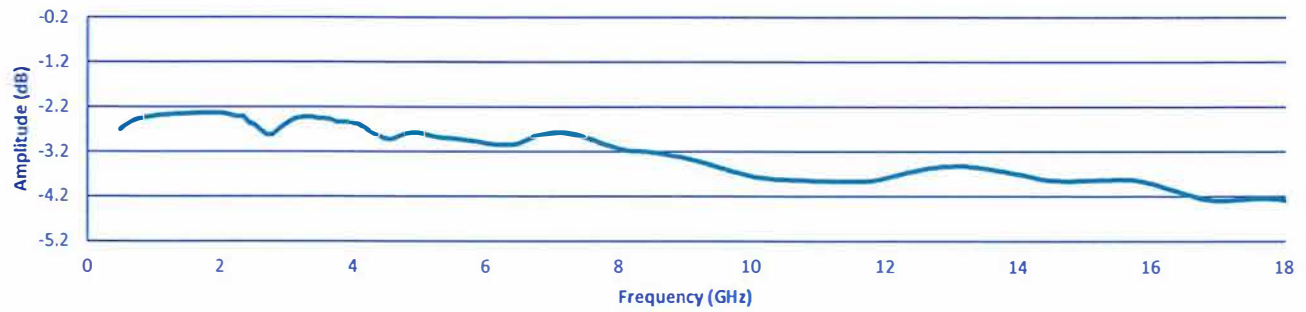
QA/QC Approval: *Commercy Kelly*

Date: 12/9/24

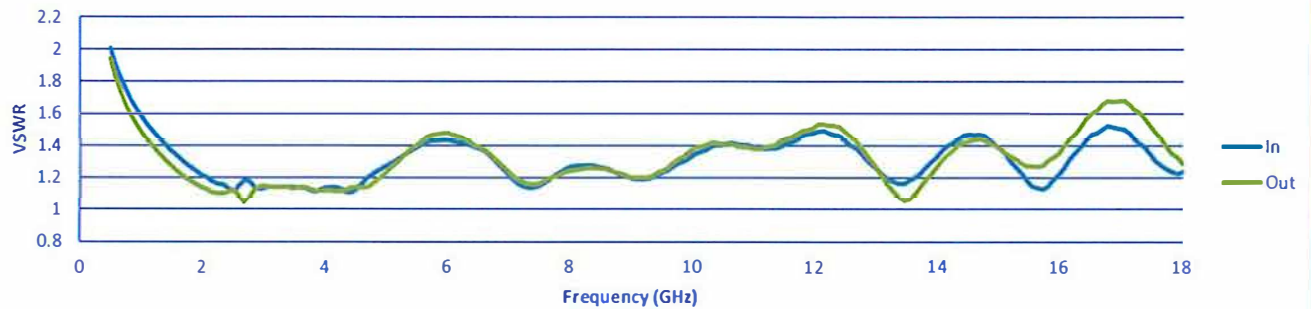
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Insertion Loss



VSWR



Attenuation vs. Frequency

