



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

Customer: _____
Job No: _____
Model No: PVA-500M18G-60-SFF
Serial No: PL35193/2151

Tested By: K. Mansfield
Date: Wednesday, December 22, 2021
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 QA 2
2	Insertion Loss:	0.5 to 12.0 GHz 4.5 dB Max. 12.0 to 18.0 GHz 5.2 dB Max.	3.6 dB 4.3 dB See Plot	
3	VSWR:	2.2:1 Max.	1.8:1 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.	0 - 30 dB ± 1.74 dB 30 - 40 dB ± 2.33 dB 40 - 50 dB ± 2.89 dB 50 - 60 dB ± 3.72 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 - 10 dB ± 0.22 dB 10 - 20 dB ± 0.47 dB 20 - 40 dB ± 0.81 dB 40 - 60 dB ± 1.02 dB See Plot	
6	Rise and Fall Time:	3 μ s Max.	< 2 μ s 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 @ 107 mA -12 VDC @ 0 mA	
10	Control:	10 dB / Volt Analog Controlled	Pass	PMI QA 2

Voltage Control (mV)	Programmed Attenuation (dB)	Attenuation (dB)	Accuracy of Attenuation (dB)	Flatness ($\pm$ dB)
1500	15	15.4	0.4	0.5
2500	25	25.6	0.6	1.4
3500	35	35.8	0.8	2.1
4500	45	45.7	0.7	2.6
5500	55	55.7	0.7	3.2

QA/QC Approval: _____

PMI
QA 2

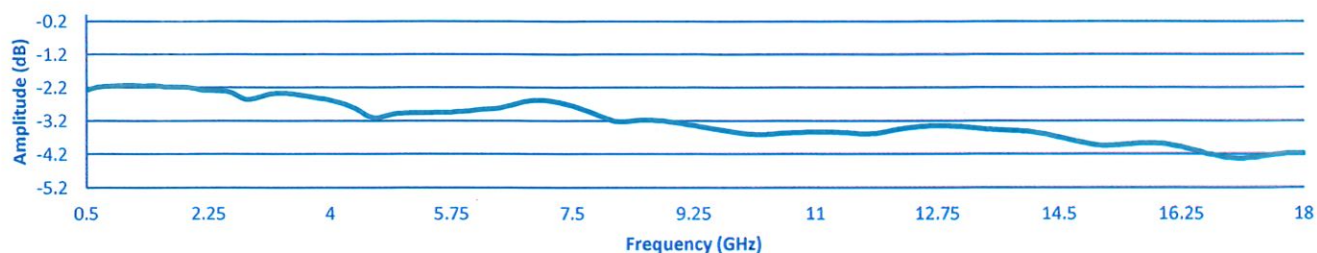
Date: 12/22/2021



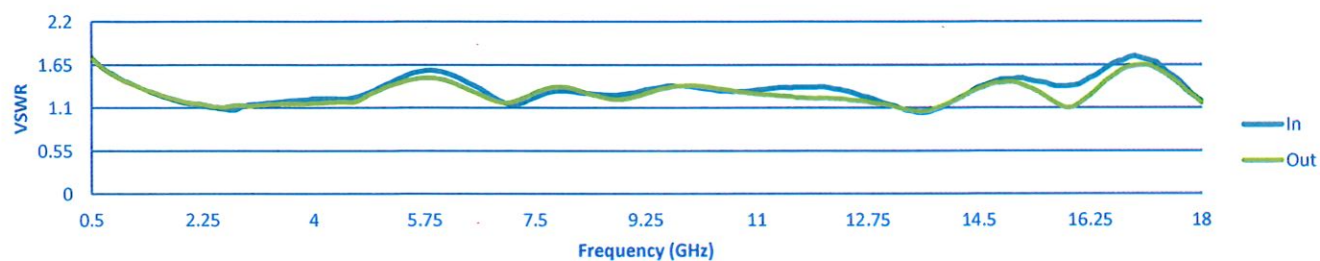
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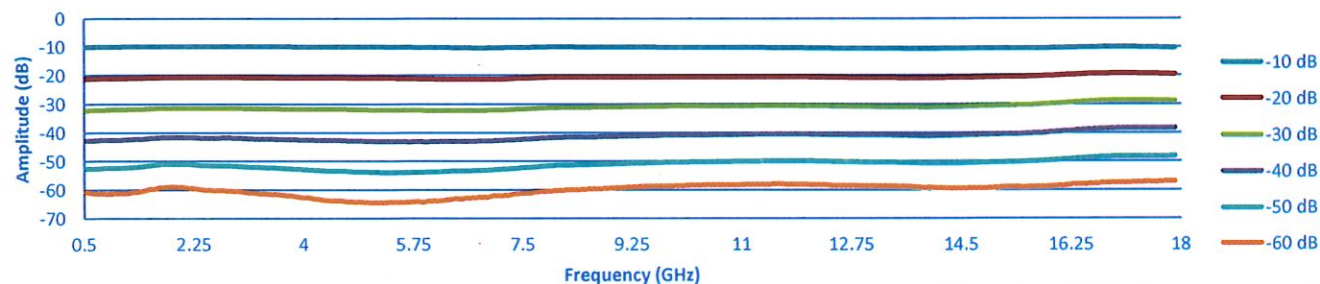
Insertion Loss



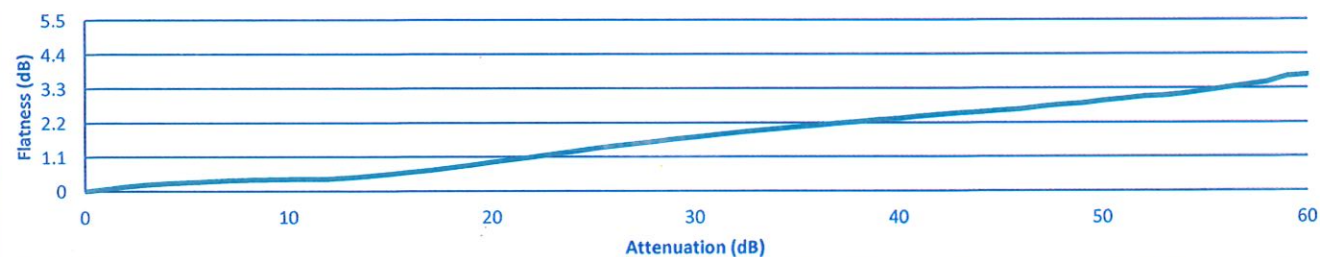
VSWR



Attenuation vs. Frequency



Flatness



Accuracy

