



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

Customer: _____
Job No: _____
Model No: PVA-500M18G-60-SFF
Serial No: PL26842/1943

Tested By: K. Mansfield
Date: Tuesday, October 22, 2019
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 QA1
2	Insertion Loss:	0.5 to 12.0 GHz 4.5 dB Max. 12.0 to 18.0 GHz 5.2 dB Max.	3.4 dB 4 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 ±1.81 dB 30 - 40 dB ±2.67 dB 40 - 50 dB ±3.87 dB 50 - 60 dB ±5.49 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 ±0.61 dB 10 - 20 dB ±0.94 dB 20 - 40 dB ±1.49 dB 40 - 60 dB ±2.29 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 @ 109 mA -12 VDC @ 0 mA	
10	Control:	10 dB / Volt Analog Controlled	Pass	PMI QA1

Voltage Control (mV)	Programmed Attenuation (dB)	Attenuation (dB)	Accuracy of Attenuation (dB)	Flatness (± dB)
1500	15	15.7	0.7	0.6
2500	25	26.2	1.2	1.4
3500	35	36.5	1.5	2.2
4500	45	46.7	1.7	3.2
5500	55	57.3	2.3	4.7

QA/QC Approval:  PMI
QA1

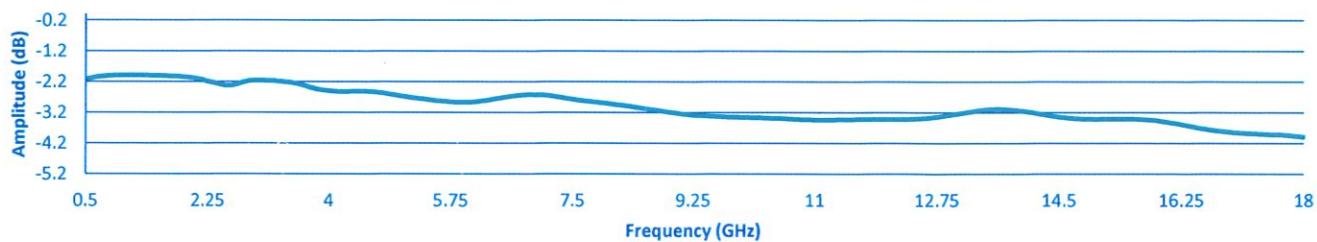
Date: 10/23/19



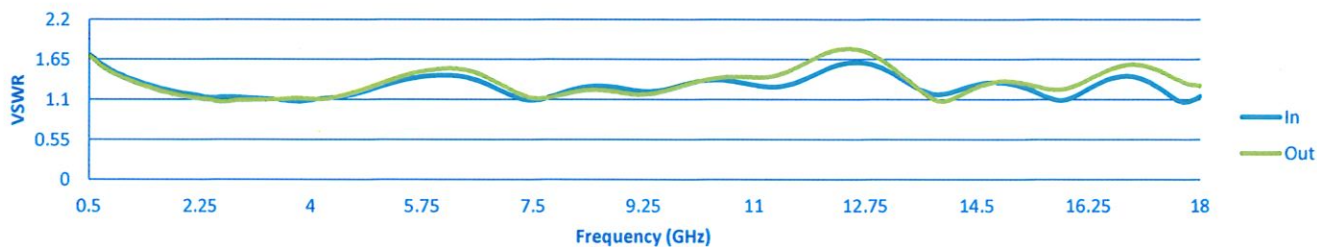
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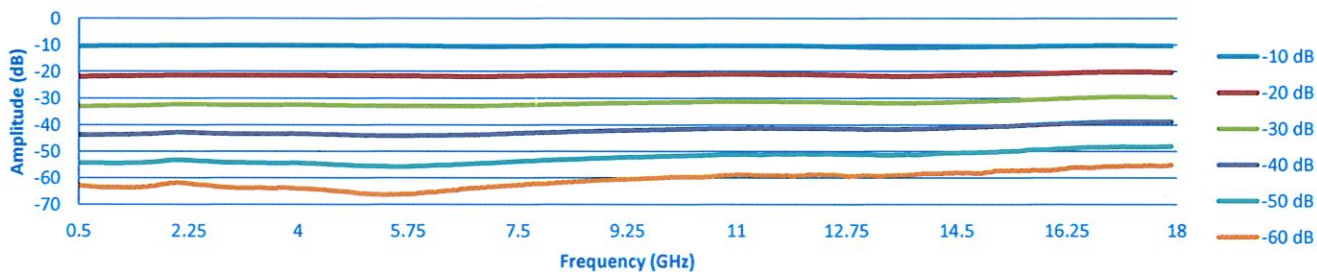
Insertion Loss



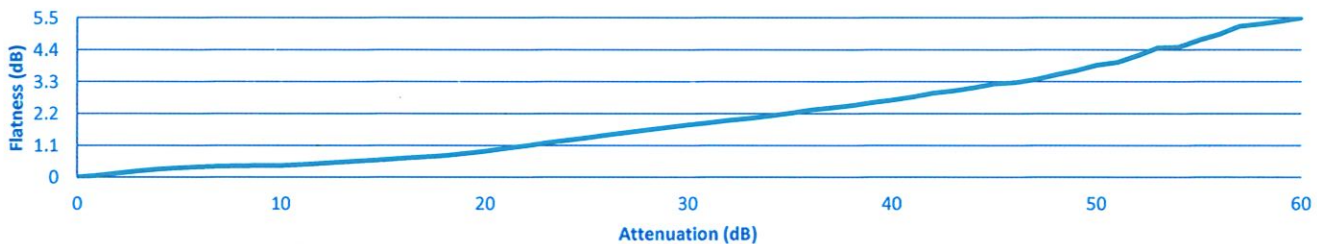
VSWR



Attenuation vs. Frequency



Flatness



Accuracy

