Quantic PMI
PLANAR MONOLITHICS

SUMMARY TEST DATA ON PDVAN-5010-60-8

Customer: [illegible]
Job No: [illegible]
Model No: PDVAN-5010-60-8
Serial No: PL46533/2424

Tested By: K. Mansfield
Date: Monday, June 10, 2024
Temperature: +25° C
Drawing No: 27623766 Rev: A1

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	MEASURED VALUE	QA QC
1	Frequency Range:	5.0 GHz to 10.0 GHz	5.0 GHz to 10.0 GHz	PMI QA4
2	Mean Attenuation Range:	60 dB	65 dB	
3	Insertion Loss:	2.7 dB Max.	2.7 dB See Plot	
4	VSWR:	2.0:1 Max.	1.6:1 See Plot	
5	Power Rating:	+20 dBm CW Min (Operating) +30 dBm CW Max (Survival)	Pass	
6	Attenuation Flatness:	±0.60 dB @ 10 dB Attenuation ±0.90 dB @ 20 dB Attenuation ±1.5 dB @ 40 dB Attenuation ±1.6 dB @ 60 dB Attenuation	±0.18 dB @ 10 dB ±0.59 dB @ 20 dB ±1.19 dB @ 40 dB ±1.79 dB @ 60 dB See Plot	
7	Switching Speed:	500 nsec Max.	See Typical Characteristics	
8	Digital Control:	8 Bit Positive True, Binary TTL	Pass	
9	Monotonicity:	Guarenteed	Pass	
10	DC Supply:	+12V to +15V @ 150mA Max. -12V to -15V @ 75mA Max.	+12 VDC @ 37 mA -12 VDC @ 0 mA	PMI QA4

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
10.00	10.44	-0.44	0.18
20.00	20.43	-0.43	0.59
30.00	30.38	-0.38	0.95
40.00	39.83	0.17	1.19
50.00	49.87	0.13	1.40
60.00	60.06	-0.06	1.79
63.75	65.45	-1.70	2.31

QA/QC Approval: Cameron Kelly

Date: 06/10/2024

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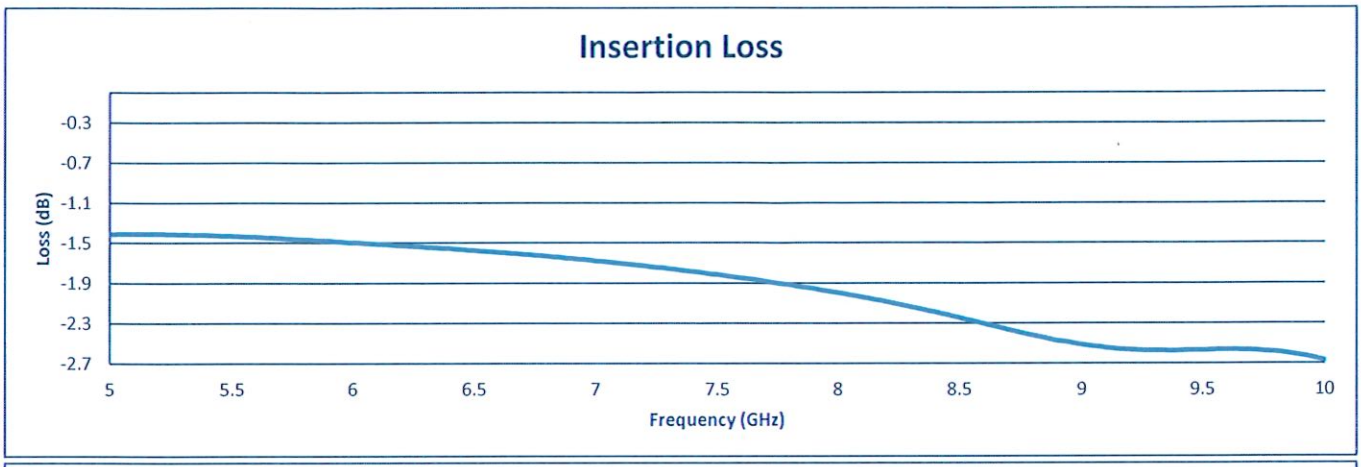

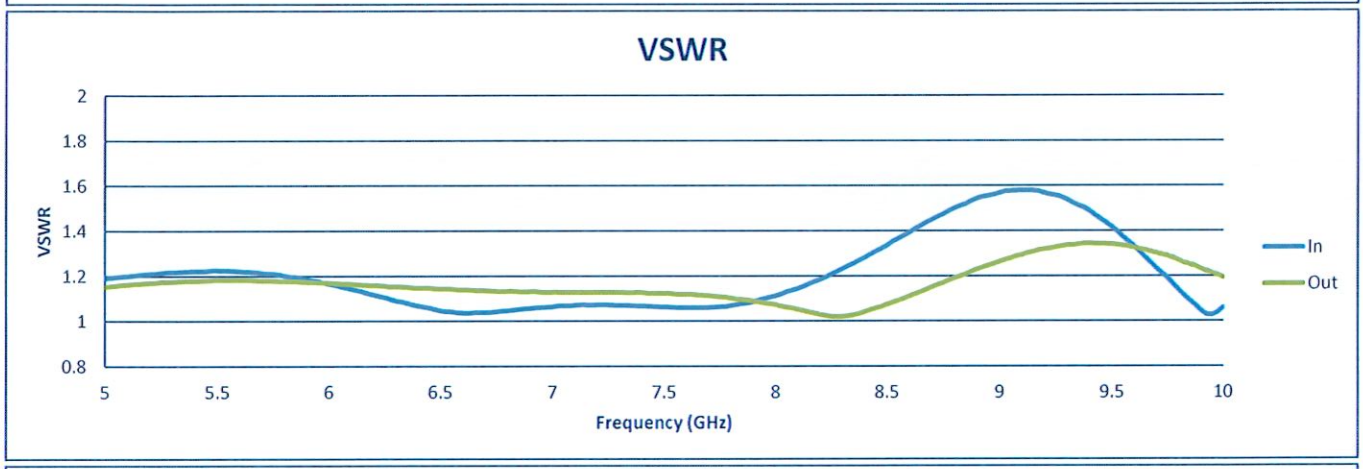

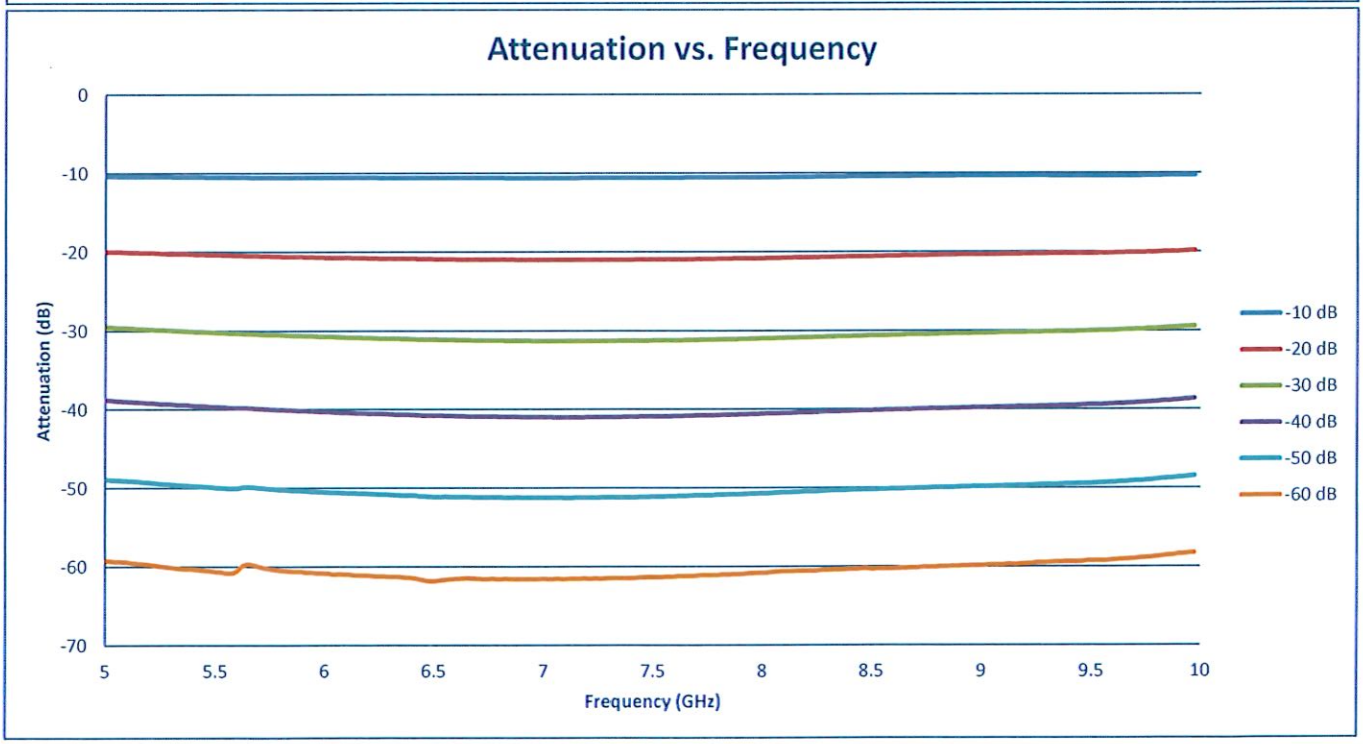

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