SUMMARY TEST DATA
ON
PDVAT-0518-60-8-96

Customer:
Job No:
Model No: PDVAT-0518-60-8-96
Serial No: PL30530/2043

Tested By: K. Mansfield
Date: Friday, October 23, 2020
Temperature: +25° C
Drawing No: 27621723 **Rev:** A2

TEST. ITEM NO	PARAMETERS	SPECIFIED VALUE	PASS/FAIL	QA QC
1	Frequency Range:	0.5 GHz – 18 GHz	0.5 GHz – 18 GHz	PMI QA 2
2	Insertion Loss:	4.0 dB Max.	2.6 dB See Plot	
3	Return Loss:	-12 dB Typ. -8.5 dB Max.	-10.8 dB See Plot	
4	Flatness @ 10 dB:	±0.9 dB Typ.	±0.92 dB See Plot	
5	Flatness @ 20 dB:	±1.5 dB Typ.	±0.42 dB See Plot	
6	Flatness @ 40 dB:	±3.0 dB Typ.	±1.77 dB See Plot	
7	Flatness @ 60 dB:	±5.0 dB Typ.	±4.78 dB See Plot	
8	Accuracy of Attenuation 0 to 30 dB:	±1.0 dB Typ.	±0.44 dB See Plot	
9	Accuracy of Attenuation 30 to 50 dB:	±1.3 dB Typ.	±1.26 dB See Plot	
10	Accuracy of Attenuation 50 to 60 dB:	±1.5 dB Typ.	±1.84 dB See Plot	
11	Switching Speed:	1.5 us Max.	< 1.5 us See Typical Characteristics	
12	DC Supply:	+15 VDC @ 150 mA	141 mA	PMI QA 2

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.25	-0.32	-0.07	0.02
0.50	-0.63	-0.13	0.04
1.00	-1.21	-0.21	0.08
2.00	-2.29	-0.29	0.16
4.00	-4.24	-0.24	0.37
8.00	-8.13	-0.13	0.78
16.00	-15.99	0.01	0.45
32.00	-31.47	0.53	0.85
63.75	-61.99		

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	-5.22	-0.22	0.49
10.00	-10.09	-0.09	0.92
15.00	-14.92	0.08	0.51
20.00	-19.95	0.05	0.42
25.00	-24.77	0.23	0.55
30.00	-29.56	0.44	0.77
35.00	-34.30	0.70	1.09
40.00	-39.13	0.87	1.77
45.00	-43.95	1.05	2.23
50.00	-48.74	1.26	3.25
55.00	-53.51	1.49	4.07
60.00	-58.16	1.84	4.78

QA/QC Approval: PMI QA 2 Date: 10·28·2020

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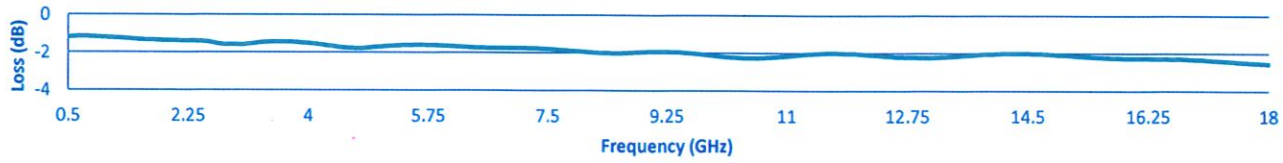
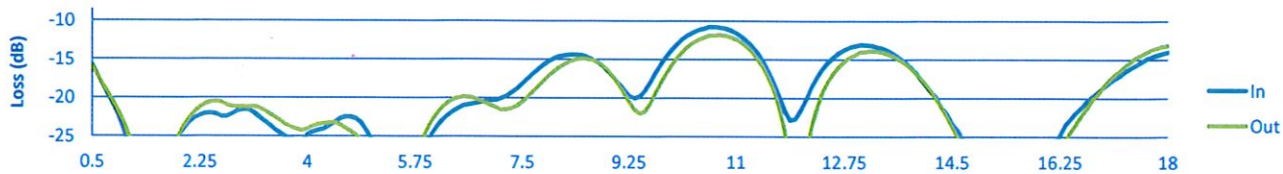
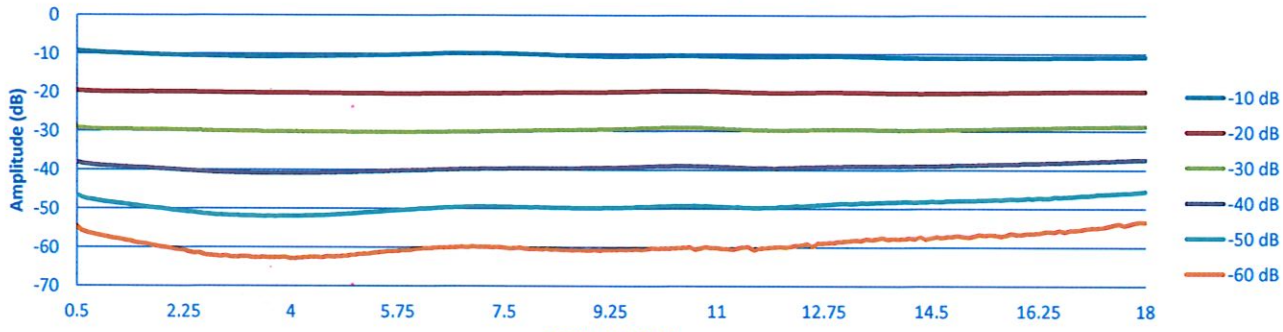
Insertion Loss



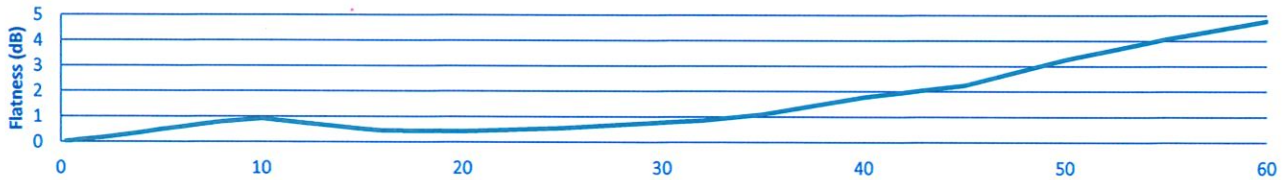
Return Loss



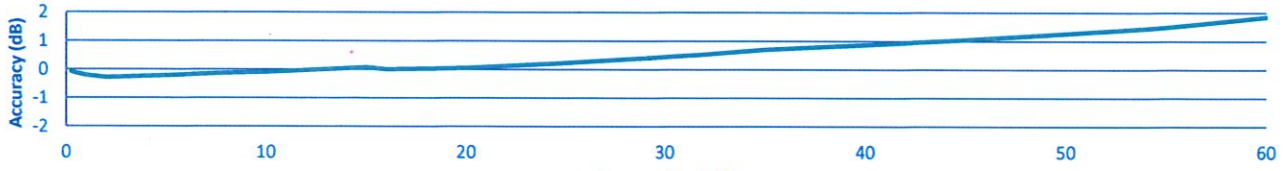
Attenuation vs. Frequency



Flatness



Accuracy



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