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

Customer:
Job No:
Model No: PDVAT-0518-60-8-96
Serial No: PL30516/2043

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.	2.9 dB See Plot	
3	Return Loss:	-12 dB Typ. -8.5 dB Max.	-13.7 dB See Plot	
4	Flatness @ 10 dB:	±0.9 dB Typ.	±0.77 dB See Plot	
5	Flatness @ 20 dB:	±1.5 dB Typ.	±0.49 dB See Plot	
6	Flatness @ 40 dB:	±3.0 dB Typ.	±1.44 dB See Plot	
7	Flatness @ 60 dB:	±5.0 dB Typ.	±4.14 dB See Plot	
8	Accuracy of Attenuation 0 to 30 dB:	±1.0 dB Typ.	±0.64 dB See Plot	
9	Accuracy of Attenuation 30 to 50 dB:	±1.3 dB Typ.	±1.24 dB See Plot	
10	Accuracy of Attenuation 50 to 60 dB:	±1.5 dB Typ.	±1.77 dB See Plot	
11	Switching Speed:	1.5 us Max.	< 1.5 us See Typical Characteristics	
12	DC Supply:	+15 VDC @ 150 mA	142 mA	PMI QA 2

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.25	-0.26	-0.01	0.02
0.50	-0.51	-0.01	0.03
1.00	-1.01	-0.01	0.05
2.00	-1.99	0.01	0.11
4.00	-3.90	0.10	0.25
8.00	-7.77	0.23	0.63
16.00	-15.70	0.30	0.52
32.00	-31.27	0.73	0.74
63.75	-62.22		

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	-4.88	0.12	0.35
10.00	-9.75	0.25	0.77
15.00	-14.63	0.37	0.54
20.00	-19.62	0.38	0.49
25.00	-24.45	0.55	0.52
30.00	-29.36	0.64	0.66
35.00	-34.11	0.89	0.91
40.00	-39.05	0.95	1.44
45.00	-43.81	1.19	1.94
50.00	-48.76	1.24	2.74
55.00	-53.56	1.44	3.52
60.00	-58.23	1.77	4.14

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

7311-F Grove Road Frederick, MD 21704 USA Phone: (301)662-5019 Fax: (301)662-1731
Email: sales@pmi-rf.com

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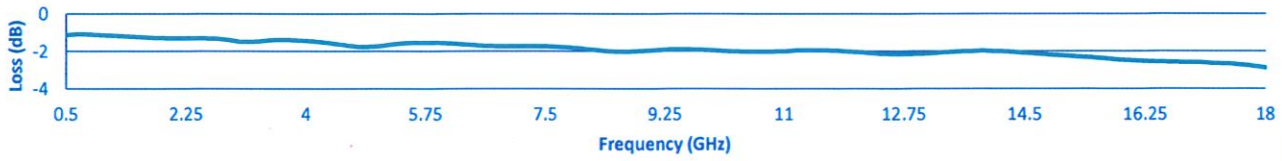
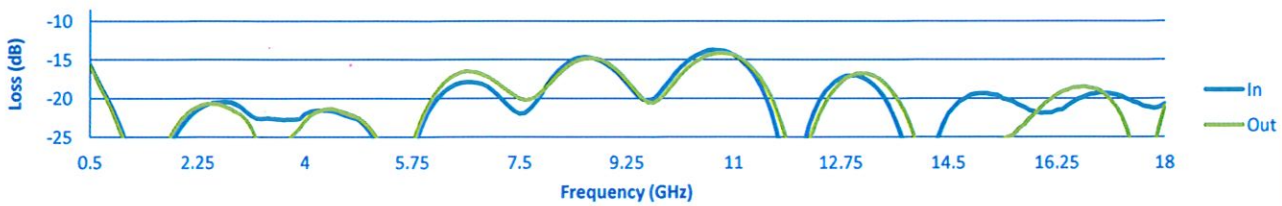
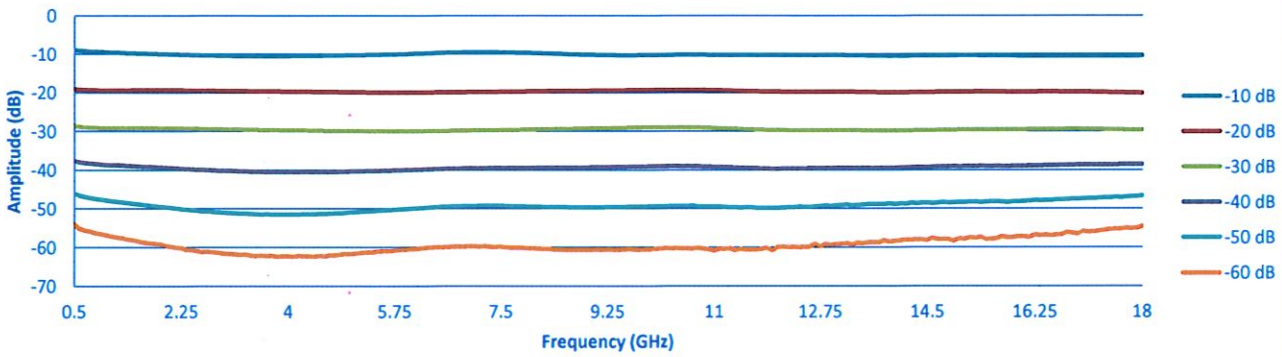
Insertion Loss



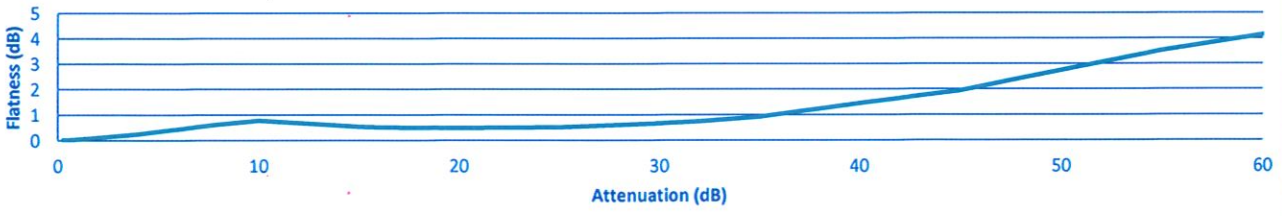
Return Loss



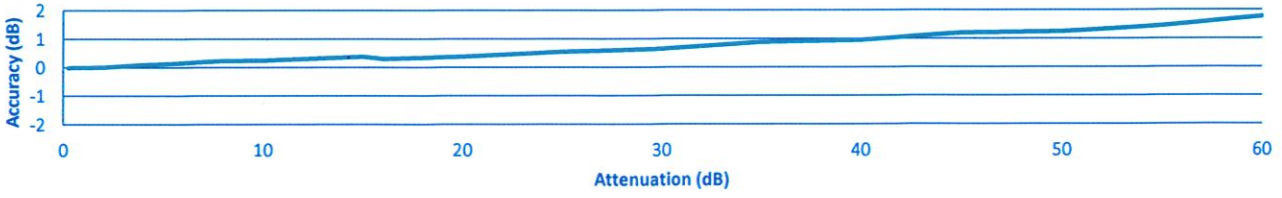
Attenuation vs. Frequency



Flatness



Accuracy



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