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

Customer:
Job No:
Model No: PDVAT-0518-60-8-96
Serial No: PL30518/2043

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.	2.5 dB See Plot	
3	Return Loss:	-12 dB Typ. -8.5 dB Max.	-10.9 dB See Plot	
4	Flatness @ 10 dB:	±0.9 dB Typ.	±0.83 dB See Plot	
5	Flatness @ 20 dB:	±1.5 dB Typ.	±1.12 dB See Plot	
6	Flatness @ 40 dB:	±3.0 dB Typ.	±2.43 dB See Plot	
7	Flatness @ 60 dB:	±5.0 dB Typ.	±5.84 dB See Plot	
8	Accuracy of Attenuation 0 to 30 dB:	±1.0 dB Typ.	±0.27 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.	±1.92 dB See Plot	
11	Switching Speed:	1.5 us Max.	< 1.5 us See Typical Characteristics	
12	DC Supply:	+15 VDC @ 150 mA	139 mA	PMI QA 2

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.25	-0.32	-0.07	0.03
0.50	-0.62	-0.12	0.05
1.00	-1.20	-0.20	0.09
2.00	-2.27	-0.27	0.17
4.00	-4.25	-0.25	0.32
8.00	-8.15	-0.15	0.71
16.00	-15.98	0.02	0.74
32.00	-31.83	0.17	1.95
63.75	-61.85		

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	-5.23	-0.23	0.43
10.00	-10.14	-0.14	0.83
15.00	-14.94	0.06	0.67
20.00	-19.94	0.06	1.12
25.00	-24.86	0.14	1.49
30.00	-29.86	0.14	1.81
35.00	-34.74	0.26	2.11
40.00	-39.60	0.40	2.43
45.00	-44.32	0.68	2.96
50.00	-48.74	1.26	3.81
55.00	-53.28	1.72	4.74
60.00	-58.08	1.92	5.84

QA/QC Approval: PMI QA 2 Date: 10.28.2020

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Email: sales@pmi-rf.com

PL30518/2043

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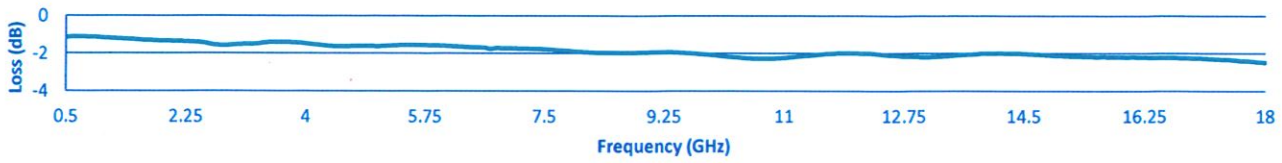
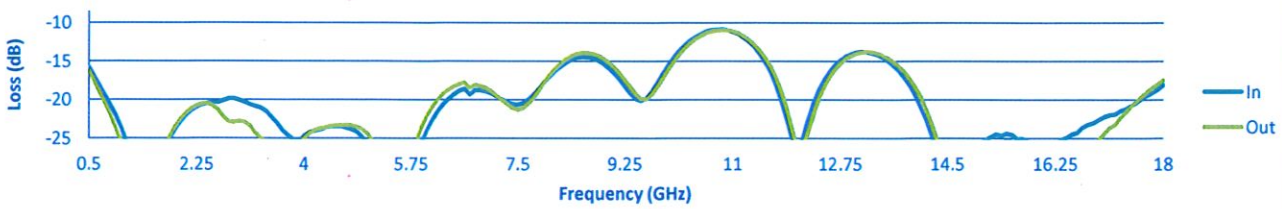
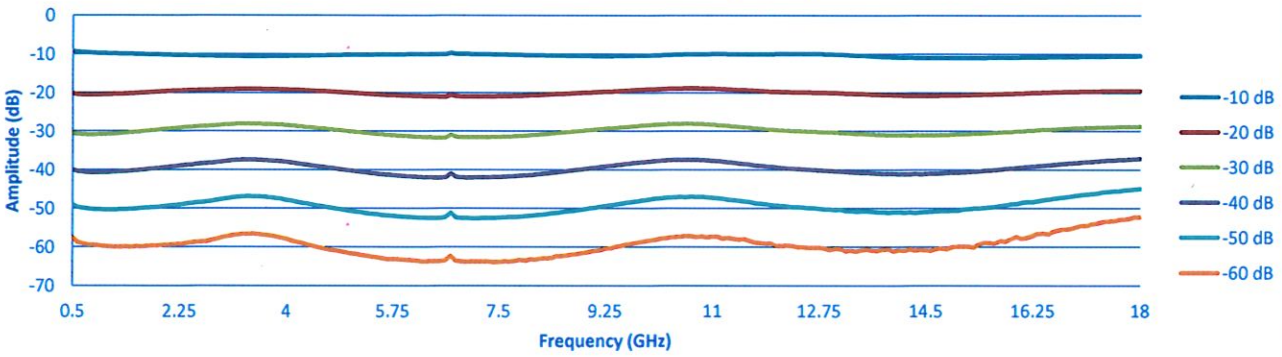
Insertion Loss



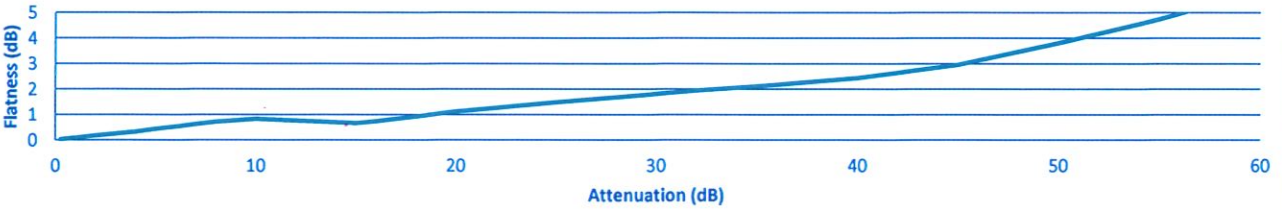
Return Loss



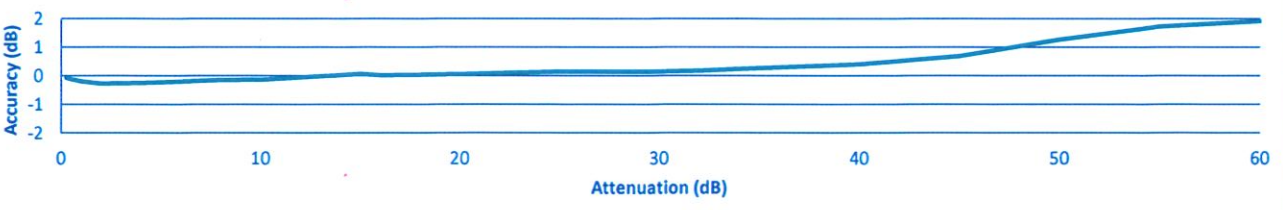
Attenuation vs. Frequency



Flatness



Accuracy



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