SUMMARY TEST DATA
ON
PDVAN-8018-60-8-OPT25DBM

Customer:
Job No:
Model No: PDVAN-8018-60-8-OPT25DBM
Serial No: PL21512/1735

Tested By: K. Mansfield
Date: Monday, August 28, 2017
Temperature: +25° C
Drawing No: 27618149 **Rev:** A2

TEST. ITEM NO	PARAMETERS	SPECIFIED VALUE	PASS/FAIL	QA QC
1	Frequency Range:	8 GHz to 18 GHz	8 GHz to 18 GHz	PMI QA 2
2	Mean Attenuation Range:	60 dB	-63 dB	
3	LSB:	0.25 dB	0.25 dB	
4	Insertion Loss:	4.0 dB Goal, 5.0 dB Max.	-3 dB See Plot	
5	VSWR:	2.0:1 Max.	1.9:1 See Plot	
6	Power Rating:	+30 dBm CW Max (Survival) +25 dBm CW Min (Operating)	Pass	
7	Attenuation Flatness:	±0.8 dB @ 10 dB Attenuation ±1.1 dB @ 20 dB Attenuation ±1.5 dB @ 40 dB Attenuation ±1.6 dB @ 60 dB Attenuation	0.6 dB 1.11 dB 1.69 dB 1.97 dB See Plot	
8	Switching Speed:	800 ns Max.	< 800 ns See Typical Characteristics	
9	Digital Control:	8 Bit Binary TTL	Pass	
10	Input Tracking:	Monotonic	Fail	
11	DC Supply:	+12 to +15VDC @ 150mA Max. -12 to -15VDC @ 75mA Max.	+12 VDC @ 36 mA -12 VDC @ 0 mA	PMI QA 2

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.25	0.21	0.04	0.02
0.50	0.46	0.04	0.04
1.00	0.98	0.02	0.09
2.00	2.06	-0.06	0.17
4.00	4.15	-0.15	0.32
8.00	8.34	-0.34	0.49
16.00	16.29	-0.29	0.91
32.00	32.34	-0.34	1.52
63.75	62.95	0.80	2.15

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	5.15	-0.15	0.37
10.00	10.35	-0.35	0.60
15.00	15.26	-0.26	0.86
20.00	20.21	-0.21	1.11
25.00	25.27	-0.27	1.32
30.00	30.24	-0.24	1.48
35.00	35.28	-0.28	1.60
40.00	40.43	-0.43	1.69
45.00	45.37	-0.37	1.75
50.00	50.60	-0.60	1.78
55.00	55.37	-0.37	1.81
60.00	60.10	-0.10	1.97

QA/QC Approval: PMI QA 2 Date: 8/29/17

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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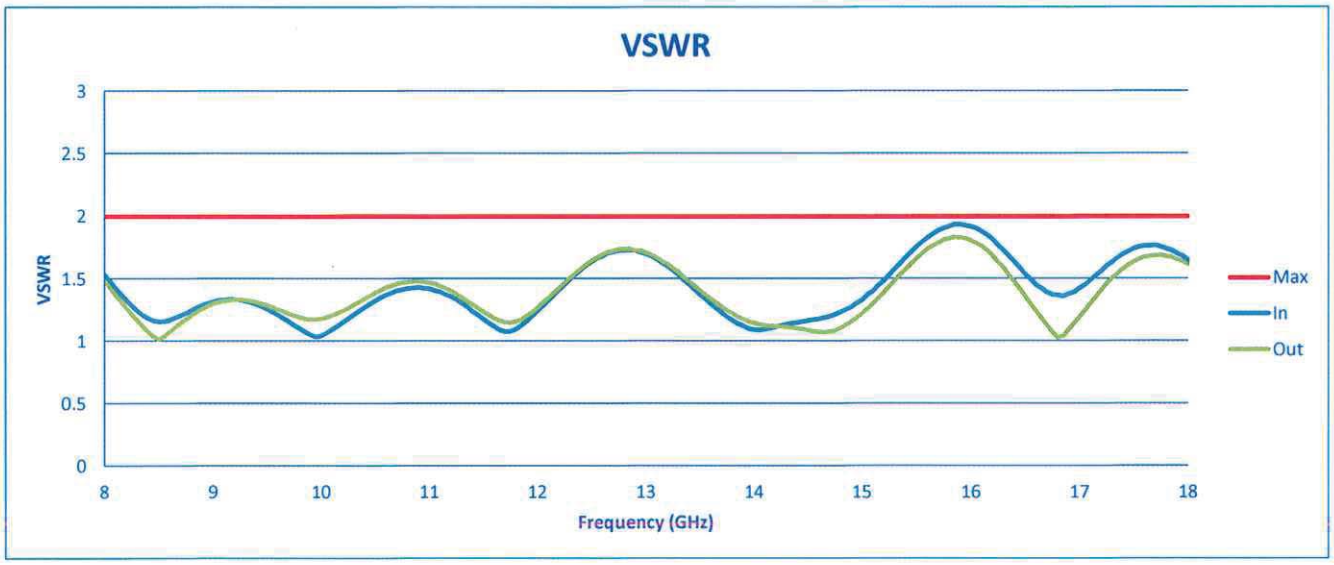

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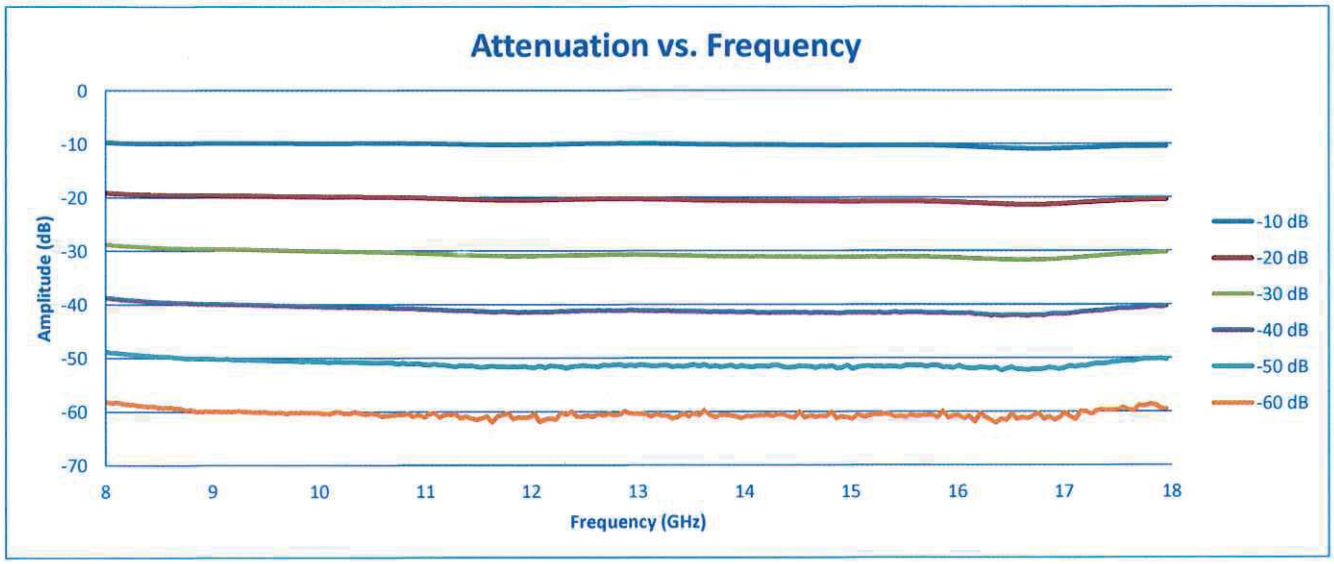

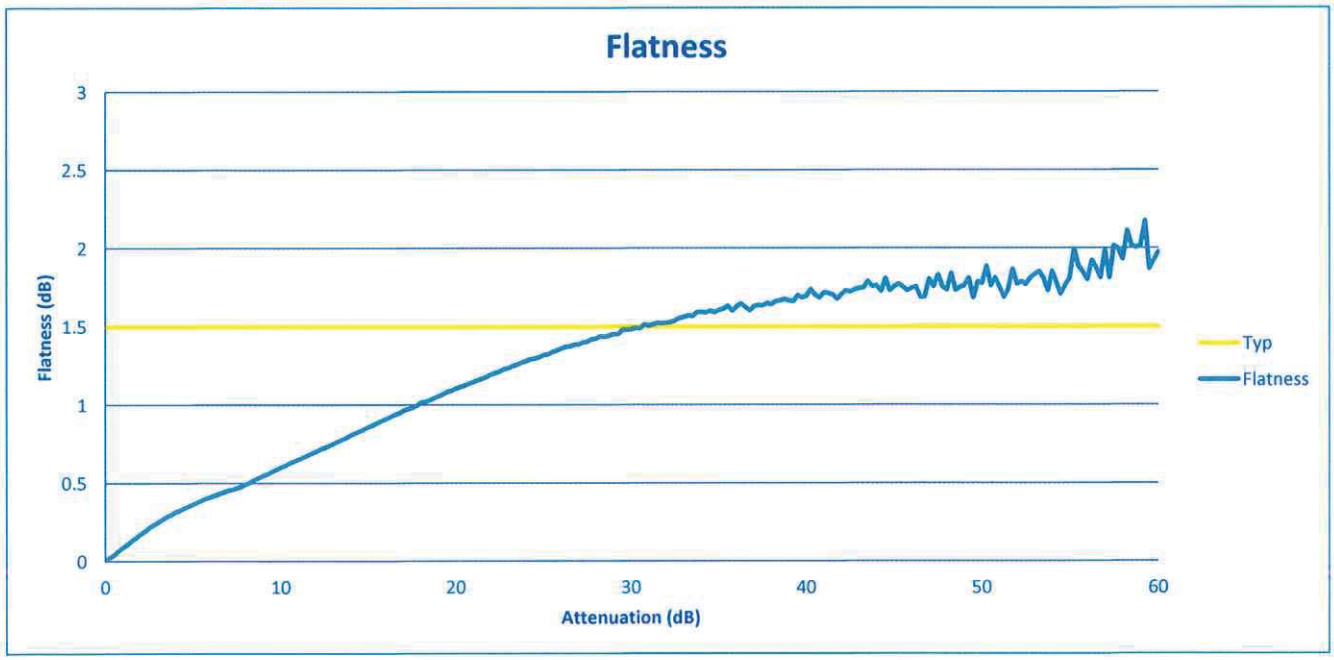

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