TYPICAL CHARACTERISTICS ON PMSN-3DR-05-STANDARD, OPTIONS 118, NI1, B06HPR1W, B05HS25NS

PMI MODEL PMSN-3DR-05-STANDARD, OPTION 118, NI1, B06HPR1W, B05HS25NS IS A SINGLE POLE THREE THROW REFLECTIVE SWITCH MODULE, WITH VERY LOW INSERTION LOSS, HIGH ISOLATION, HIGH POWER (1 WATT) AND WITH HIGH SPEED (25 ns) INTEGRAL CMOS DRIVER, DESIGNED FOR 1 GHz TO 18 GHz OPERATION.

May 10, 2017

DESIGNED BY: PMI ENGINEERING

TESTED & REPORTED BY: Jerry N

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

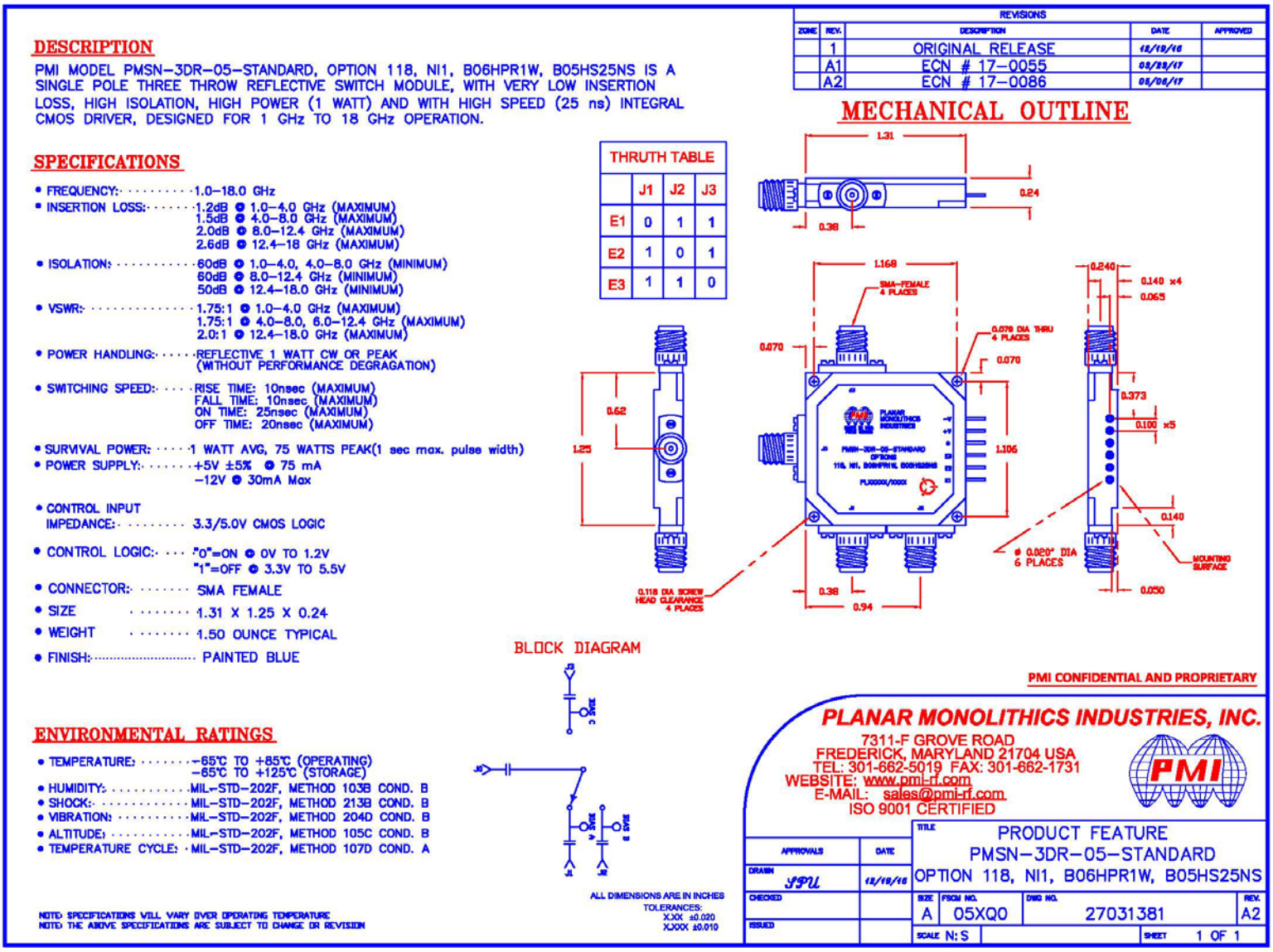
TYPICAL CHARACTERISTICS
ON
PMSN-3DR-05-STANDARD, OPTIONS
118, NI1, B06HPR1W, B05HS25NS

TABLE OF CONTENTS

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

TYPICAL CHARACTERISTICS
ON
PMSN-3DR-05-STANDARD, OPTIONS
118, NI1, B06HPR1W, B05HS25NS

OUTLINE DRAWING



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

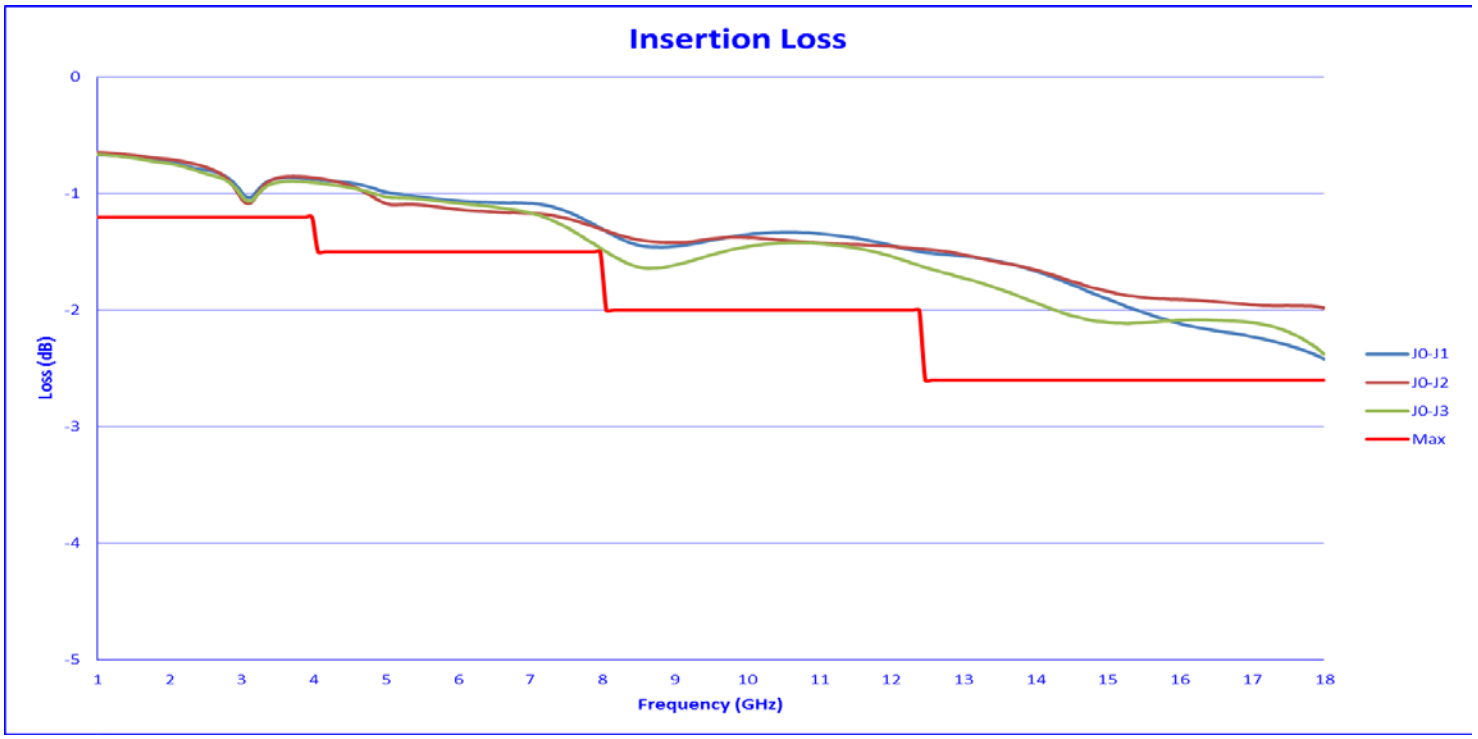
TYPICAL CHARACTERISTICS
ON
PMSN-3DR-05-STANDARD, OPTIONS
118, NI1, B06HPR1W, B05HS25NS

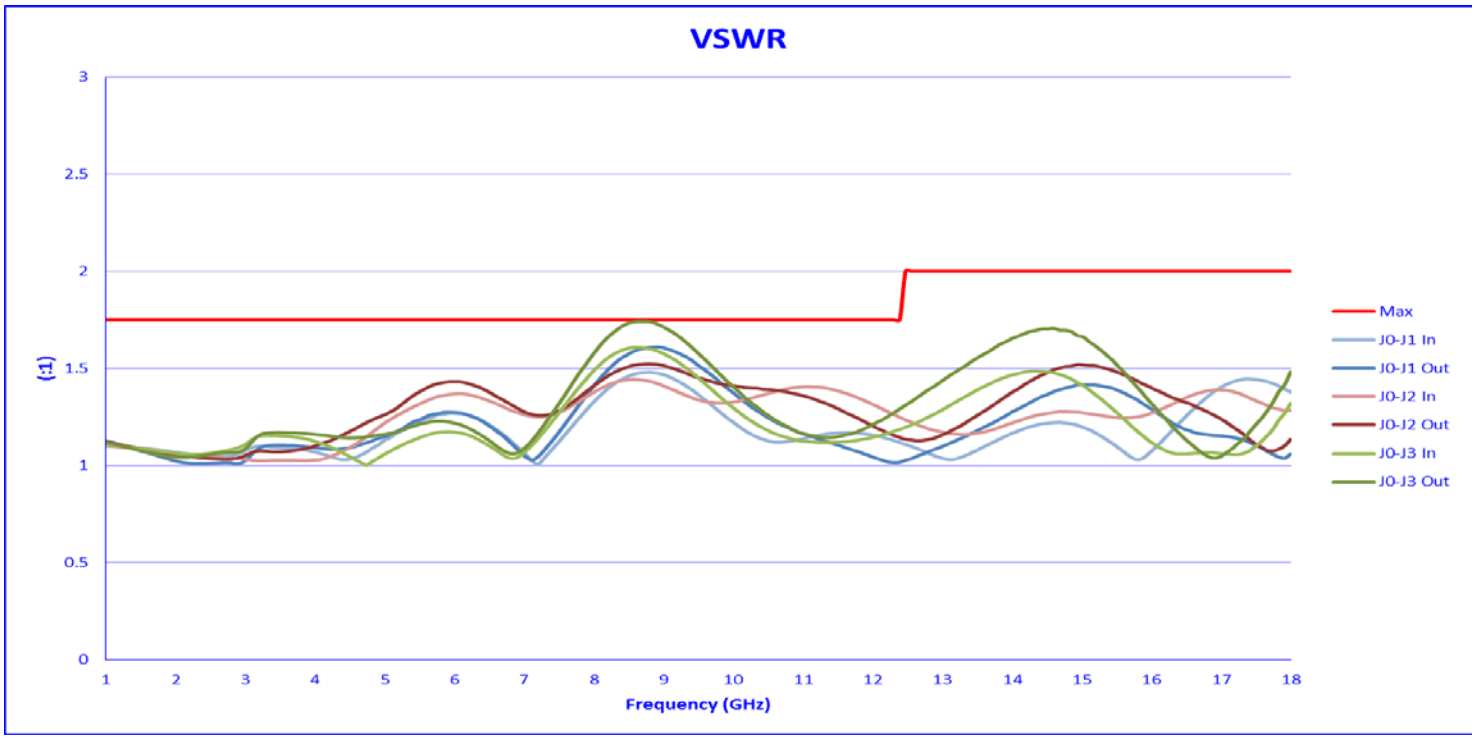
TEST DATA SUMMARY

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	TEST RESULTS
1	Frequency Range:	1.0 GHz to 18.0 GHz	**1.0 GHz to 18.0 GHz**
2	Insertion Loss:	1.2dB @ 1.0-4.0 GHz Max. 1.5dB @ 4.0-8.0 GHz Max. 2.0dB @ 8.0-12.4 GHz Max. 2.6dB @ 12.4-18.0 GHz Max.	**1.08dB @ 1.0-4.0 GHz** **1.47dB @ 4.0-8.0 GHz** **1.64dB @ 8.0-12.4 GHz** **2.42dB @ 12.4-18.0 GHz** **See Plot**
3	Isolation:	60dB Min. @ 1.0-12.4 GHz 50dB Min. @ 12.4-18.0 GHz	**84dB @ 1.0-12.4 GHz** **72dB @ 12.4-18.0 GHz** **See Plot**
4	VSWR:	1.75:1 @ 1.0-12.4 GHz Max. 2.0:1 @ 12.4-18.0 GHz Max.	**1.74:1 @ 1.0-12.4 GHz** **1.71:1 @ 12.4-18.0 GHz** **See Plot**
5	Power Handling:	Reflective 1 Watt CW or Peak (Without Performance Degration)	**1 Watt**
6	Control input Impedance:	3.3/5.0V CMOS Logic	**Pass**
7	Switching Speed:	Rise/Fall Time: 10nsec On Time: 25nsec Off Time: 20nsec	**<10nsec Rise/Fall** **<25nsec On** **<20nsec Off** **See Typical Characteristics**
8	Survival Power:	1 Watt Average 75 Watts Peak	**1 Watt Avgerage** **75 Watts Peak**
9	Power Supply:	+5V ±5% @ 75mA 12V @ 30mA	**56 mA @ +5V** **23 mA @ -12V**
10	Control Logic:	"0" = On @ 0V to 1.2V "1" = Off @ 3.3V to 5.5V	**"0" = On @ 0V to 1.2V** **"1" = Off @ 3.3V to 5.5V**

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

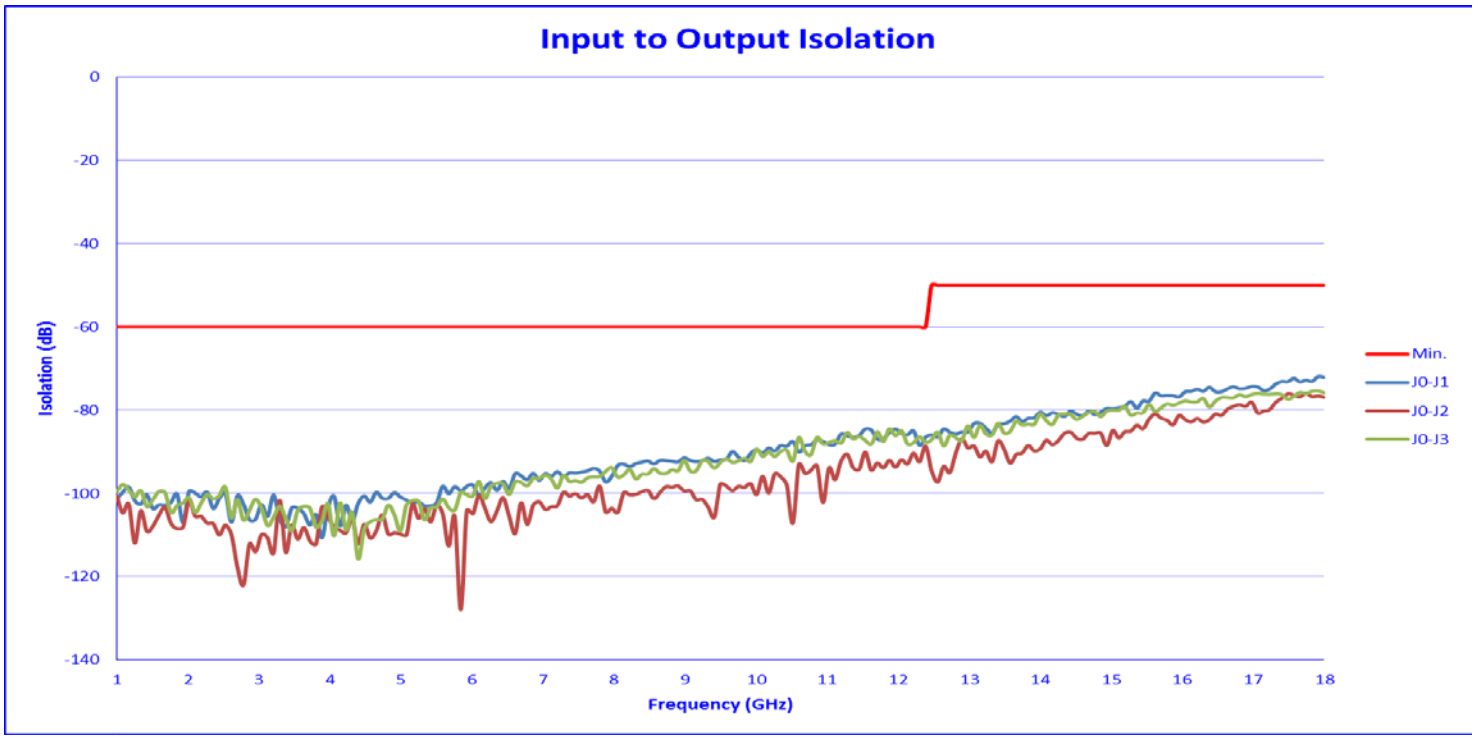
TYPICAL CHARACTERISTICS ON PMSN-3DR-05-STANDARD, OPTIONS 118, NI1, B06HPR1W, B05HS25NS

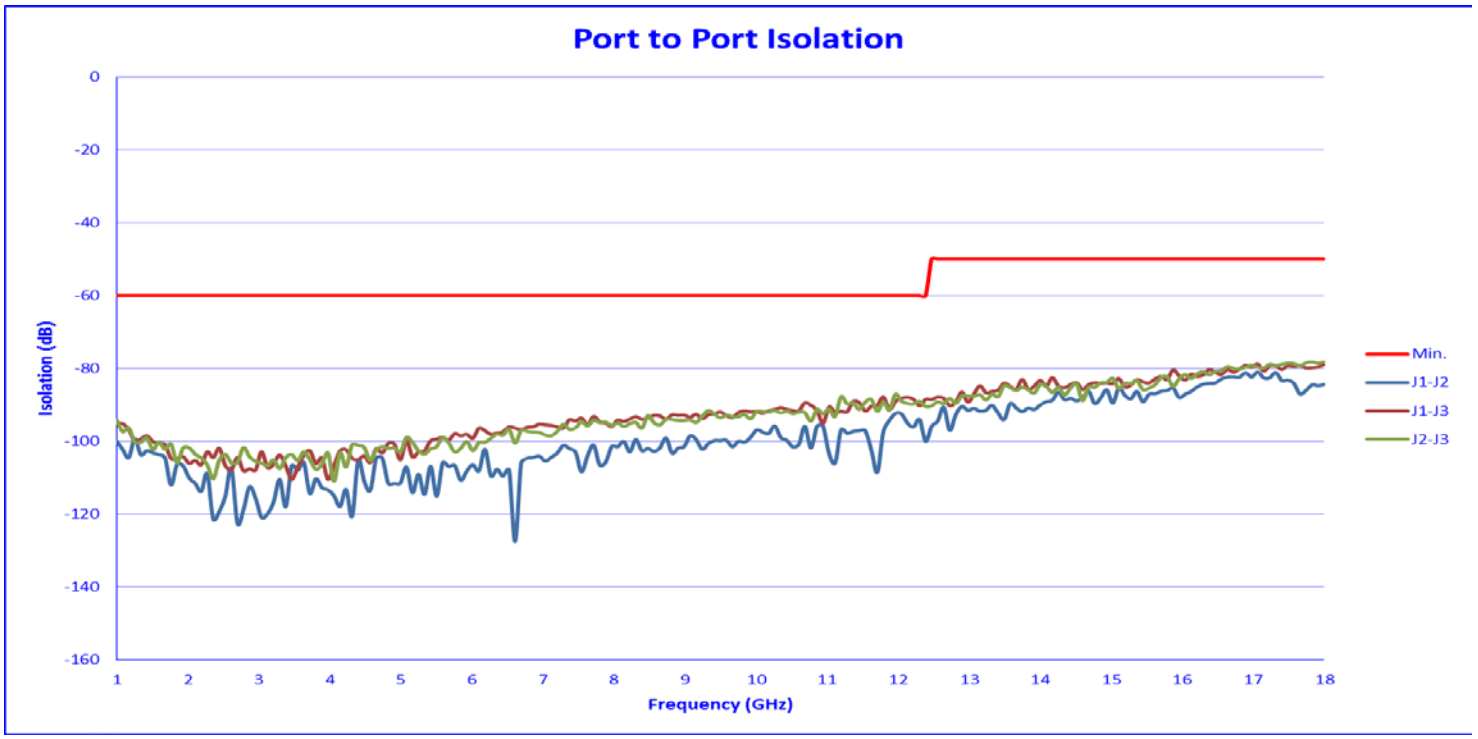




7311-F Grove Road Frederick, MD 21704 USA Phone: (301)662-5019 Fax: (301)662-1731
Email: sales@pmi-rf.com

TYPICAL CHARACTERISTICS
ON
PMSN-3DR-05-STANDARD, OPTIONS
118, NI1, B06HPR1W, B05HS25NS



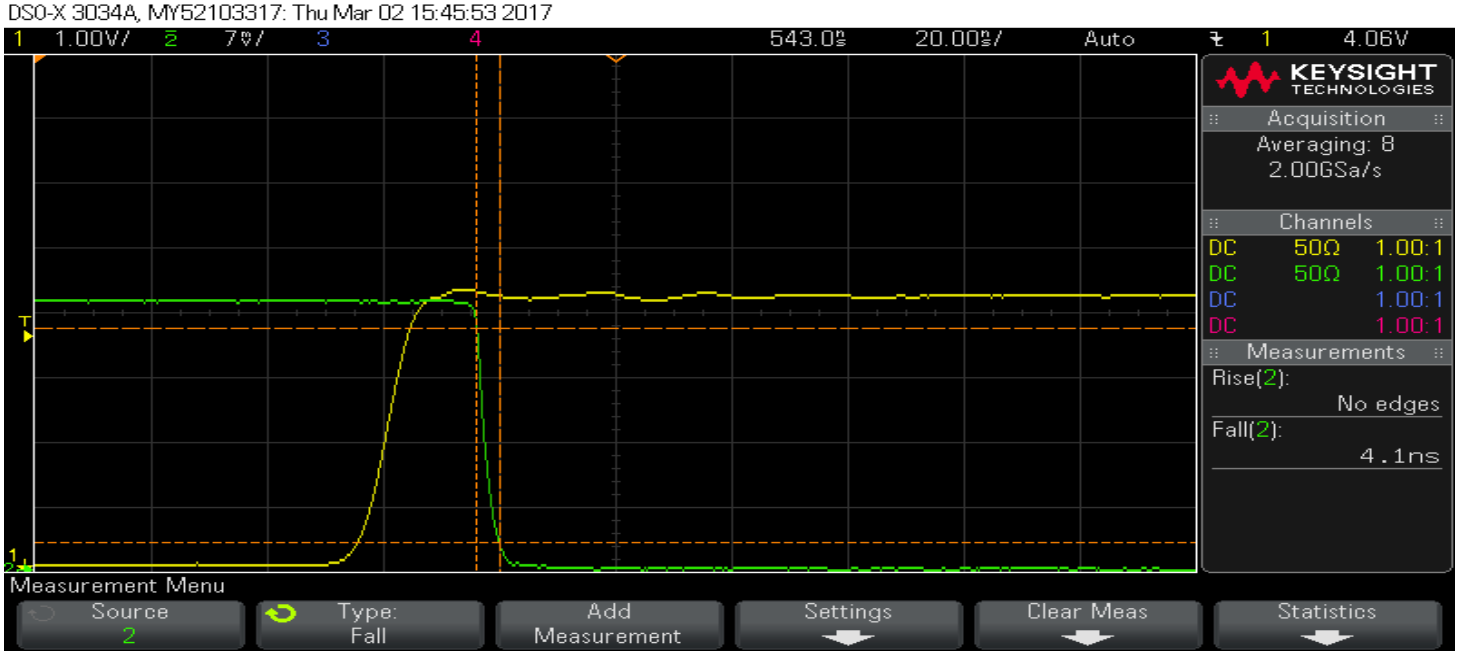


7311-F Grove Road Frederick, MD 21704 USA Phone: (301)662-5019 Fax: (301)662-1731
Email: sales@pmi-rf.com

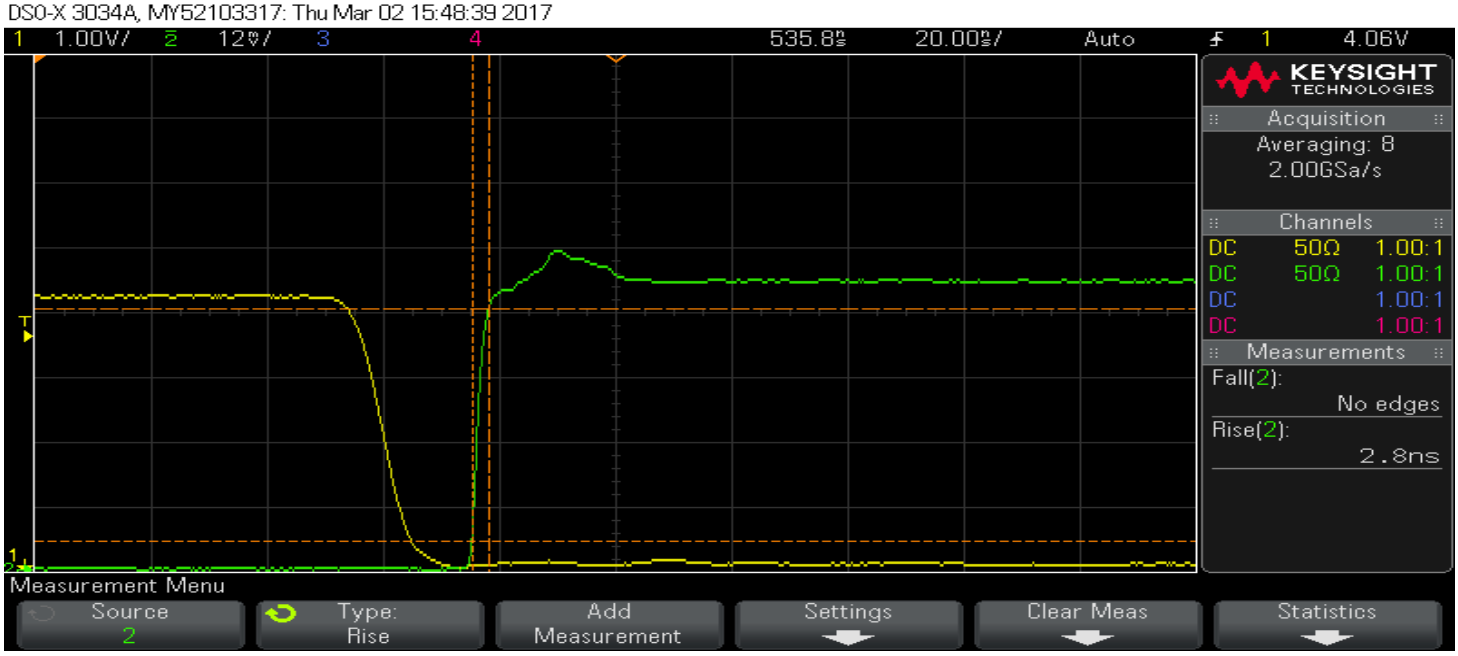
TYPICAL CHARACTERISTICS ON PMSN-3DR-05-STANDARD, OPTIONS 118, NI1, B06HPR1W, B05HS25NS

Switching Speed TYP.

OFF Delay – 20 ns per Div.



ON Delay and – 20 ns per Div.



GREEN TRACE: RF **YELLOW TRACE: TTL**

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