



Planar Monolithics Industries
 7311F-Grove Road, Frederick MD. 21704
 Tel: 301-662-5019 Fax: 301-662-1731
 www.pmi-rf.com
 ISO 9001:2000 CERTIFIED

FILTER DETECTOR - FINAL TEST DATA

CUSTOMER:	TESTED BY: Hugo Gonzales
SO NO:	DATE: 7/22/2010
MODEL NO: RFFD-618-730049	SERIAL NO: PL7811
OPTION NO:	FREQUENCY RANGE: 6 - 18 GHz

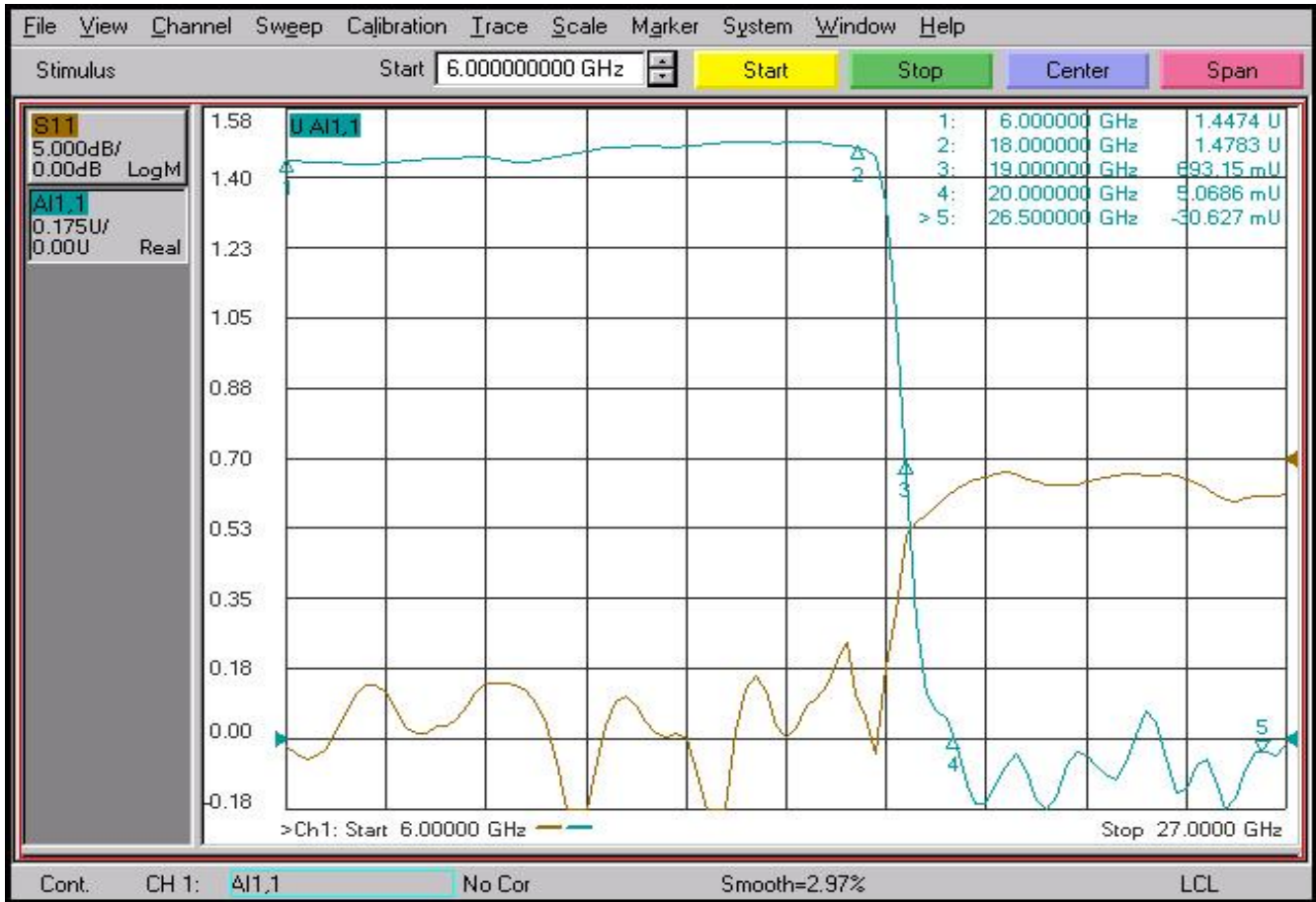
TEST ITEM	PARAMETERS	MEASURED VALUES			
1	OPERATING FREQUENCY	6	to	18	GHz
2	INPUT RETURN LOSS	Pass	dB	See Plot	
3	FILTER REJECTION (>23dB 20-26.5GHz)	Pass	dB	See Plot	
4	VOLTAGE SENSITIVITY	115.20	mV		
5	BARRIER POTENTIAL Detector Diode	231.40	mV		
6	BARRIER POTENTIAL Balance Diode	233.60	mV		
7	Detector Voltage: RF OFF	231.40	mV		
8	Detector Voltage: -23 dBm at 12 GHz	228.70	mV		
9	Detector Voltage: +7 dBm at 12 GHz	-210.10	mV		
10	Detector Voltage: +8 dBm at 12 GHz	-269.30	mV		
11	Frequency Response Slope (6 to 18GHz)	1.95	dB	Up Slope	dB
11	Frequency Response Ripple (6 to 18GHz)	0.30	dB	-0.35	dB
12	Tracking Refer Test Item (5-6)	2.20	mV	Difference	
13	Detector protection diode 30mA including / excluding 15ohm voltage drop	1305	mV	855	mV
14	Balance protection diode 30mA including / excluding 15ohm voltage drop	1313	mV	863	mV

TEST EQUIPMENT :	N5230A PNA (Agilent) , E3631A Power Supply (Agilent), 8541B Power meter (Gigatronics), 34410A Digital Multimeter (Agilent), Multimeter (EX-TECH)
QA / QC APPROVAL :	DATED:



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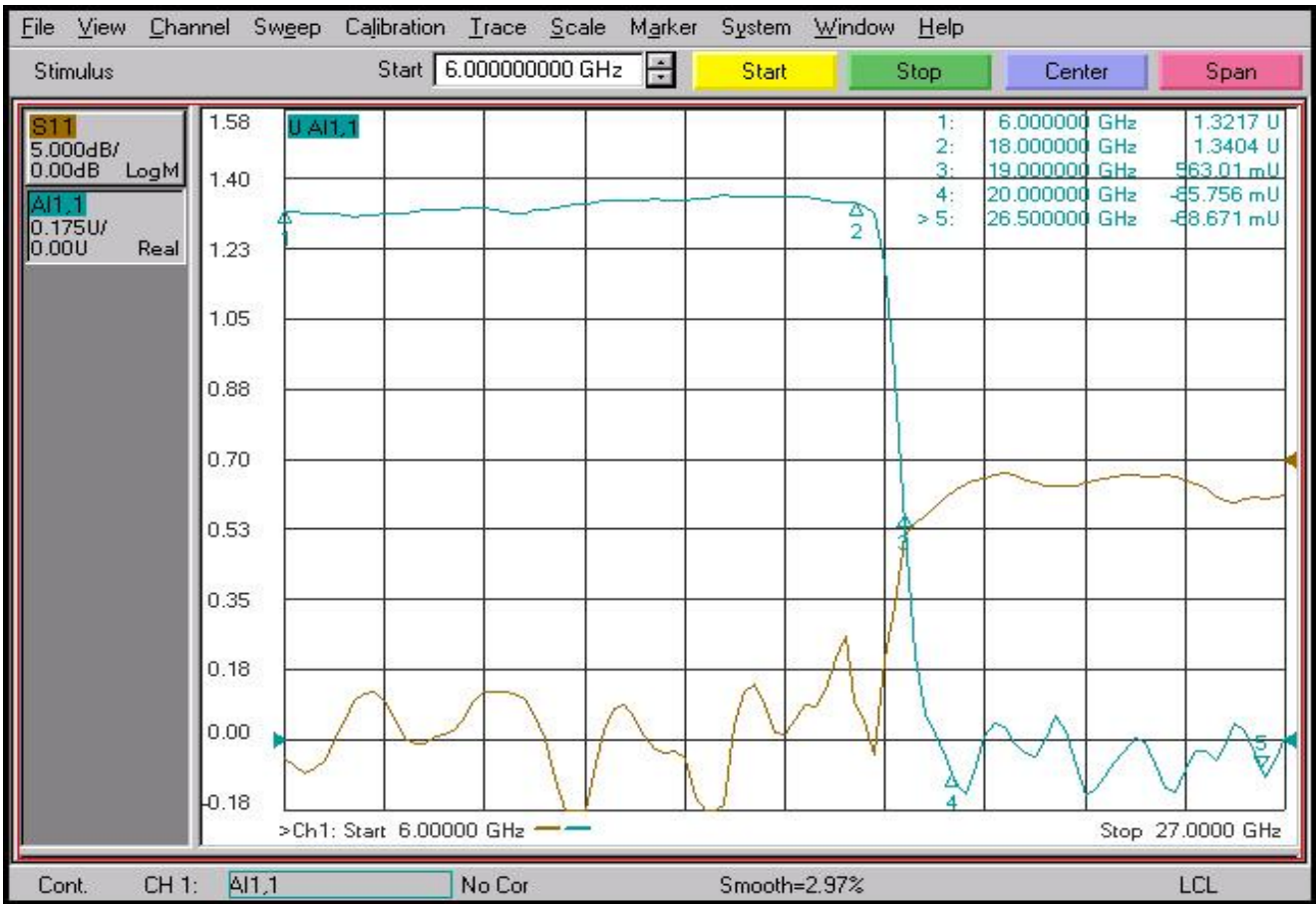
FILTER DETECTOR @ -5dBm Port Power





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FILTER DETECTOR @ -8dBm Port Power





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FILTER DETECTOR @ -28dBm Port Power

