



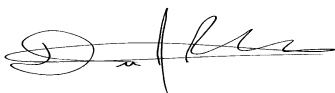
**SUMMARY TEST DATA
ON AMPLIFIER**

Customer :
 Job No :
 Model No : PE2-18-218-15-SFM
 Serial No : PL1070

Tested By : Kevin Mason
 Temperature : +25°C
 Date : 09/04/03

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	MEASURED VALUE	REMARKS QA/QC
1	Frequency Range:	2-18 GHz	Pass (See Plot)	
2	Gain Window:	15 to 18dB	Pass (See Plot)	
3	Flatness:	±1.5 dB Max.	±0.88 dB	
4	Noise Figure:	4.5 dB Max.	Pass (See Plot)	
5	Pout @ 1dB Compression:	+15 dBm Min.	≥ +15 dBm	
6	VSWR:	Input : 2.0:1 Output: 2.0:1 Max.	Pass (See Plot)	
7	DC Supply:	200mA @ +15V Max.	123mA @ +15V	

Production Manager Approval:  Date: 09/04/03

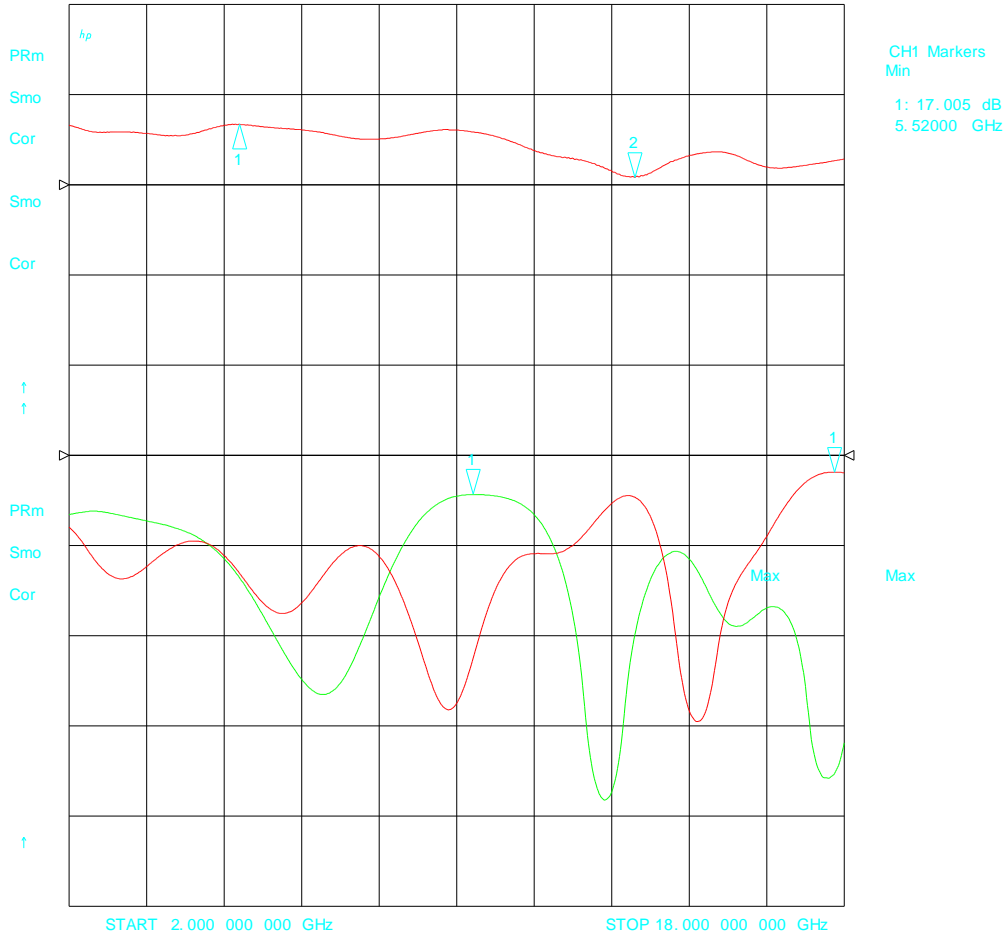
QA/QC Approval:  Date: 09/04/03



VNA Plot

4 Sep 2003 11:13:31

CH1	S21	LOG	3 dB/	REF 15 dB	2:	15.245 dB	13.680 000 000 GHz
CH2	S11	LOG	5 dB/	REF -9.54 dB	1:-	11.709 dB	10.340 000 000 GHz
CH3	S22	LOG	5 dB/	REF -9.54 dB	1:-	10.478 dB	17.800 000 000 GHz



7311-G Grove Road Frederick, MD 21704 USA Phone: (301)662-5019 Fax: (301)662-1731
email: sales@planarelec.com

Noise Figure Plot

