



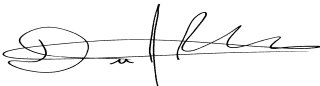
**SUMMARY TEST DATA  
ON  
AMPLIFIER**

Customer :  
 Job No :  
 Model No : PE2-22-1123-12-SFF  
 Serial No : PL951/0326

Tested By : Kevin Mason  
 Temperature : +25°C  
 Date : 06/13/03

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	MEASURED VALUE	REMARKS QA/QC
1	Frequency Range:	11 – 23 GHz	PASS	
2	Gain Nominal Typ.	+21.5 dB	See Plot	
3	Flatness:	±1.5 dB max.	±1.19 dB	
4	Noise Figure:	8.0 dB max.	See plot	
5	Pout @ 1dB Compression:	+22 dBm min.	≥ +22 dBm	
6	VSWR:	Input : 2.1:1 Output: 2.1:1 Max.	See plot	
7	DC Supply:	600mA @ +12V max.	660mA @ +12V	

Production Manager Approval:  Date: 06/13/03

QA/QC Approval:  Date: 06/13/03

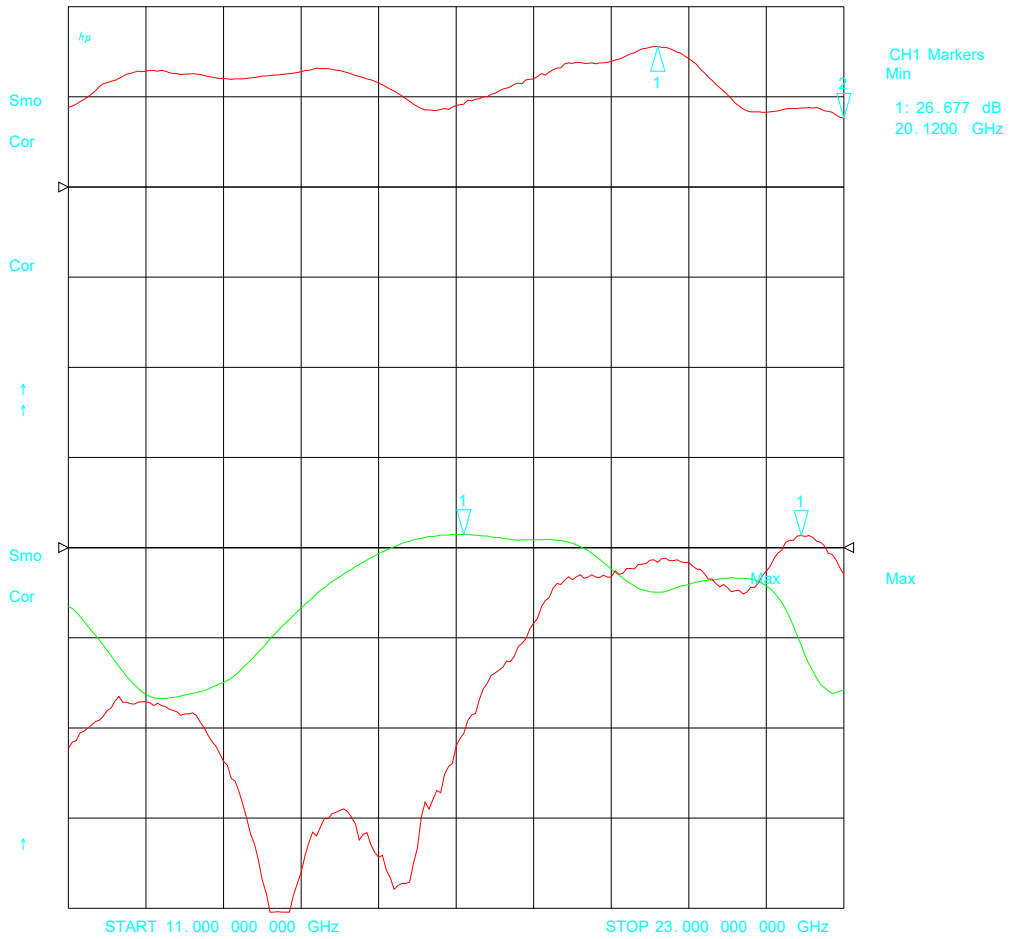
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 email: sales@planarelec.com



**VNA PLOT**  
**Model No: PE2-22-1123-12-SFF**

13 Jun 2003 09:24:21

CH1	S21	LOG	3 dB/	REF 22 dB	2: 24.280 dB	23.000 000 000 GHz
CH2	S11	LOG	5 dB/	REF -9.54 dB	1: -8.8190 dB	17.120 000 000 GHz
CH3	S22	LOG	5 dB/	REF -7 dB	1: -6.3270 dB	22.340 000 000 GHz



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**Noise Figure Plot**  
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