



**SUMMARY TEST DATA  
ON  
SWITCH FILTER BANK**

Customer :  
 SO No : SO09000082  
 Model No : 3SFB-0R52R0-CD-SFF  
 Serial No : PL7035/1006

Tested By : S. PALACIO  
 Temperature : +25°C  
 Date : 2/8/10

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	MEASURED VALUE	QA/QC
1	Frequency Range	0.5 GHz to 2.0 GHz	See plots	
2	Insertion Loss	4dB Goal, 5dB Max.	See plots	
3	Isolation	60dBc Min.	See plots	
4	Pass-band Overlap	10 MHz Min. 50 MHz Max.	See plots	
5	Power Handling	+22dBm Min.	Pass	
6	Video Feed Thru	-65dBm Max. @1MHz BW, 0.4-2.0 GHz	Pass	
7	<u>Filter A</u> Pass-band 50 dBc Stop Band 50 dBc Stop Band	0.5 - 0.8 GHz 1.0 - 1.6 GHz DC - 0.2 GHz	See plots	
8	<u>Filter B</u> Pass-band 50 dBc Stop Band 50 dBc Stop Band	0.8 - 1.3 GHz 1.6 - 4.0 GHz DC - 0.4 GHz	See plots	
9	<u>Filter C</u> Pass-band 50 dBc Stop Band 50 dBc Stop Band	1.3 - 2.0 GHz 2.8 - 5.0 GHz DC - 0.4 GHz	See plots	

**PLANAR MONOLITHICS INDUSTRIES, INC.**  
 7311-F GROVE ROAD FREDERICK, MD 21704  
 TEL: 301-682-5019 FAX: 301-662-1731  
 www.pmi-rf.com



TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	MEASURED VALUE	QA/QC
10	Harmonics	-65dBc Min, relative to RF Out, tested with +22dBm @RF In	Pass	
11	Pass-band VSWR	2.0:1 Max	See plots	
12	Impedance	50 ohms Nom.	Pass	
13	+ DC Power	+5VDC	75mA	
14	- DC Power	-15VDC	95mA	
15	Switching Speed	200 ns Max. (From 50%TTL to 90%/10% RF)	See plots	

LOGIC TABLE	
1110	FILTER A
1101	FILTER B
1011	FILTER C

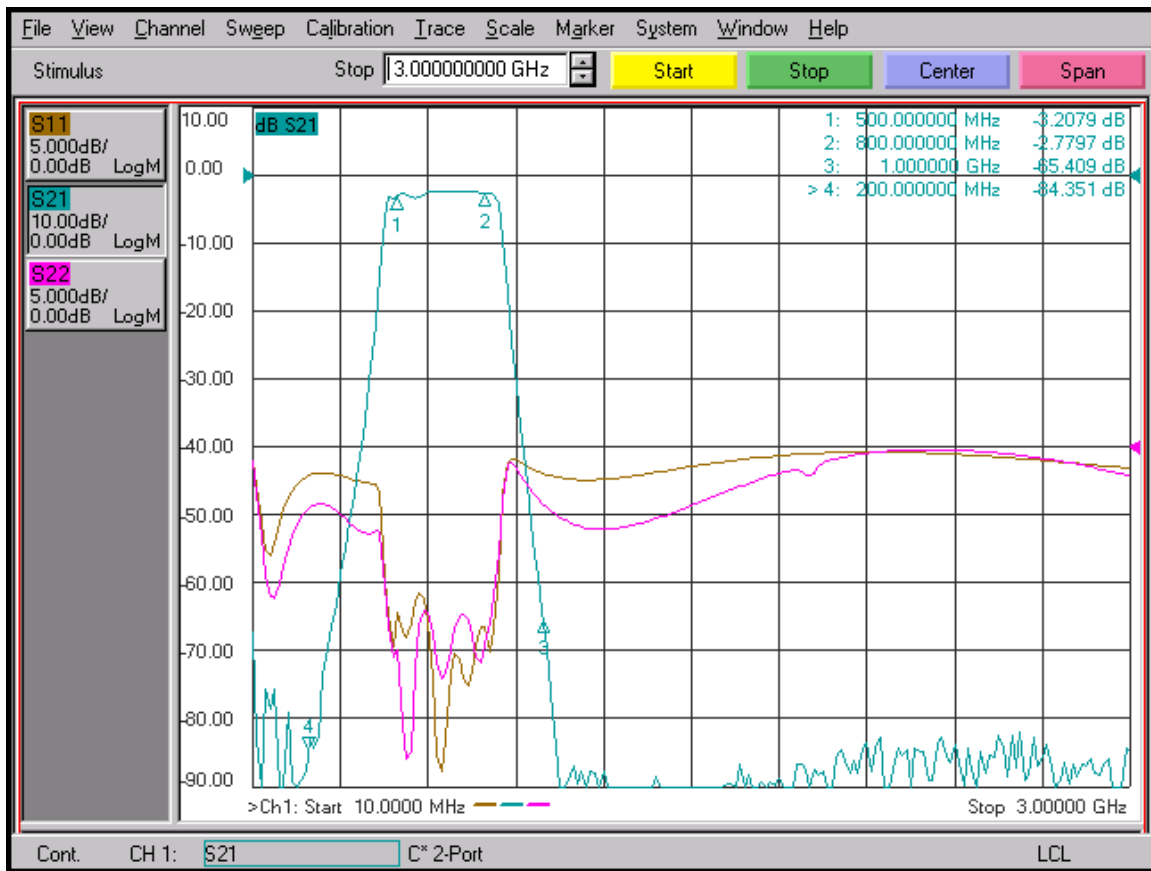
Production Manager Approval: \_\_\_\_\_ Date: \_\_\_\_\_

QA/QC Approval: \_\_\_\_\_ Date: \_\_\_\_\_

**PLANAR MONOLITHICS INDUSTRIES, INC.**  
 7311-F GROVE ROAD FREDERICK, MD 21704  
 TEL: 301-682-5019 FAX: 301-662-1731  
 www.pmi-rf.com



**PL7035/1006**  
**Filter A**



**PLANAR MONOLITHICS INDUSTRIES, INC.**

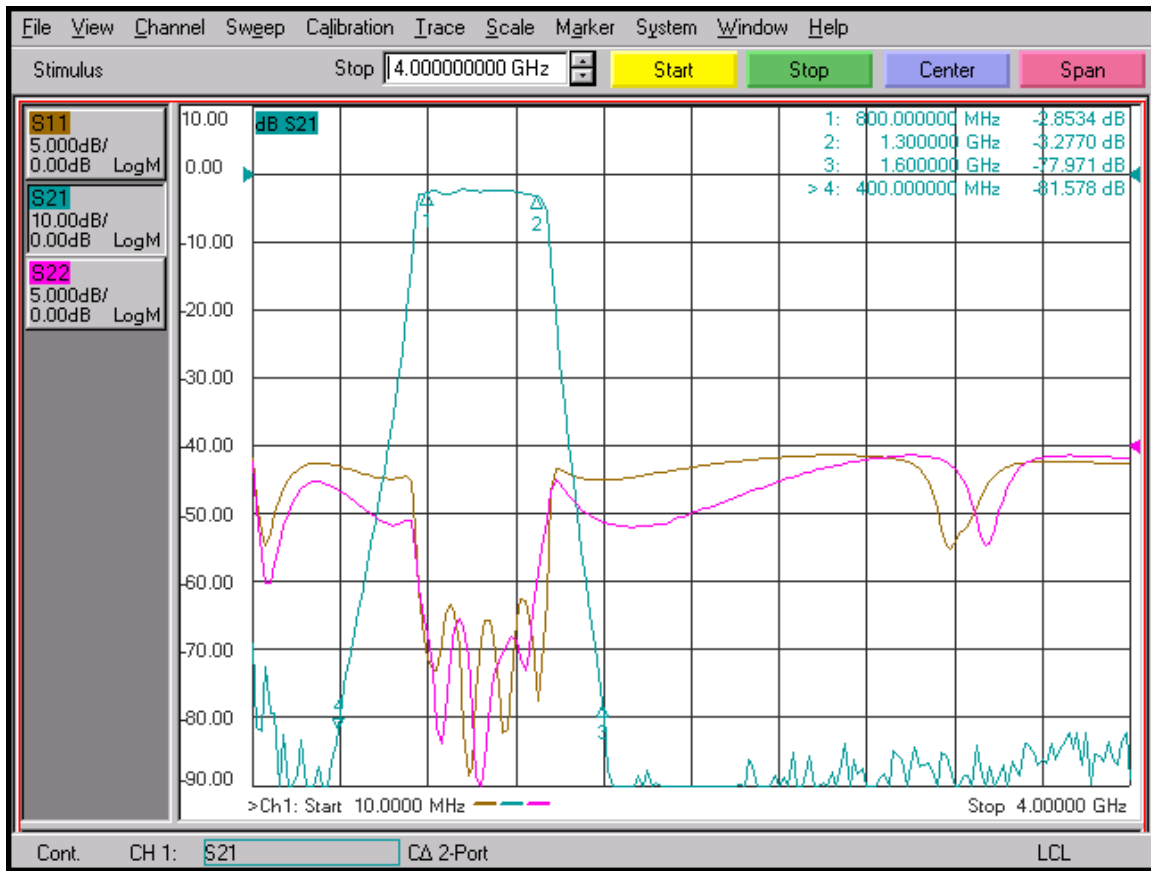
7311-F GROVE ROAD FREDERICK, MD 21704

TEL: 301-682-5019 FAX: 301-662-1731

www.pmi-rf.com



**PL7035/1006**  
**Filter B**



**PLANAR MONOLITHICS INDUSTRIES, INC.**

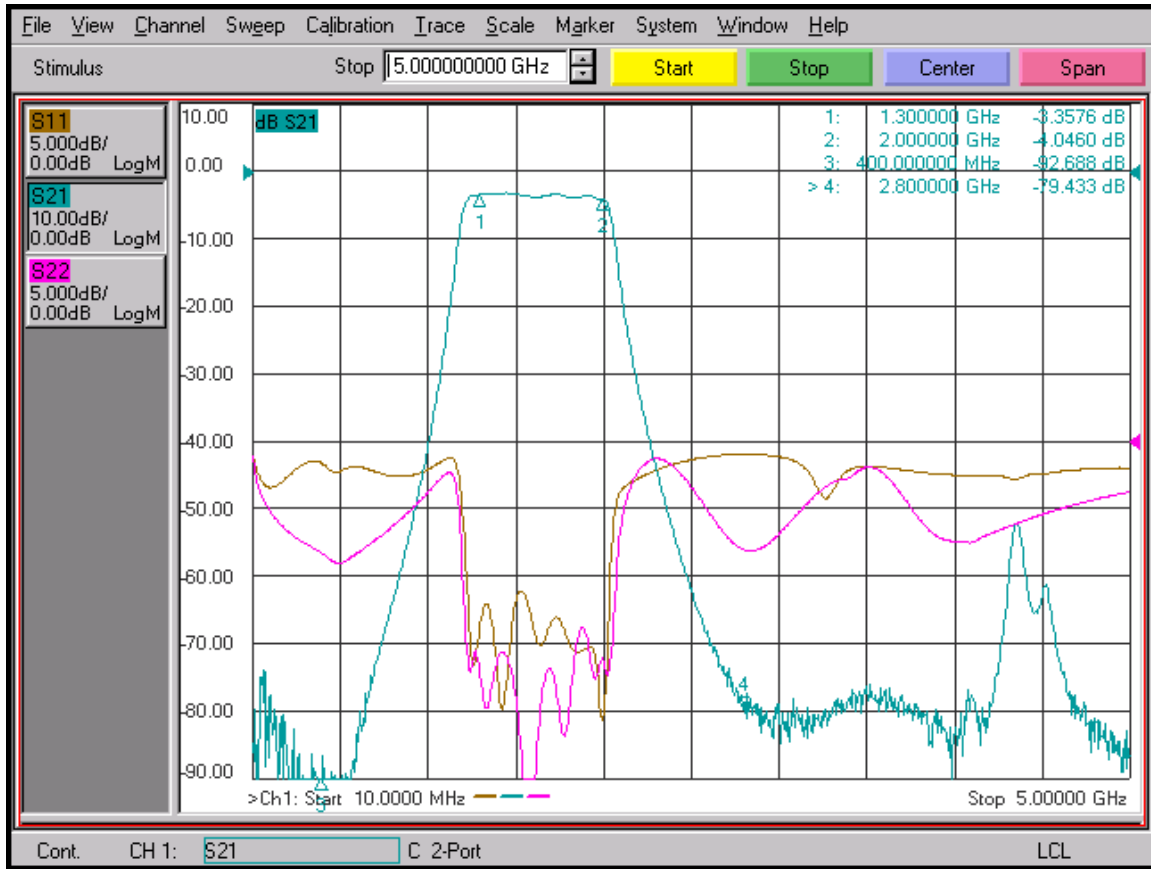
7311-F GROVE ROAD FREDERICK, MD 21704

TEL: 301-682-5019 FAX: 301-662-1731

www.pmi-rf.com



**PL7035/1006**  
**Filter C**



**PLANAR MONOLITHICS INDUSTRIES, INC.**

7311-F GROVE ROAD FREDERICK, MD 21704

TEL: 301-682-5019 FAX: 301-662-1731

www.pmi-rf.com