

**Typical Characteristics
On
BPF-14D125G-750M-50DB-SFF**



**PMI'S 14.125 GHz BANDPASS FILTER IS A SURFACE MOUNT FILTER MOUNTED
INTO A HOUSING**



May 17, 2017

Tested & Reported By:
Dr Jian Xu

Page 1 of 6

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

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Table of Contents

1. Product Feature & Mechanical Drawing	Page 3
2. Tabulated Data	Page 4
3. Narrow Band Responses	Page 5
4. Wide Band Responses	Page 6

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Product Feature & Mechanical Drawing

DESCRIPTION

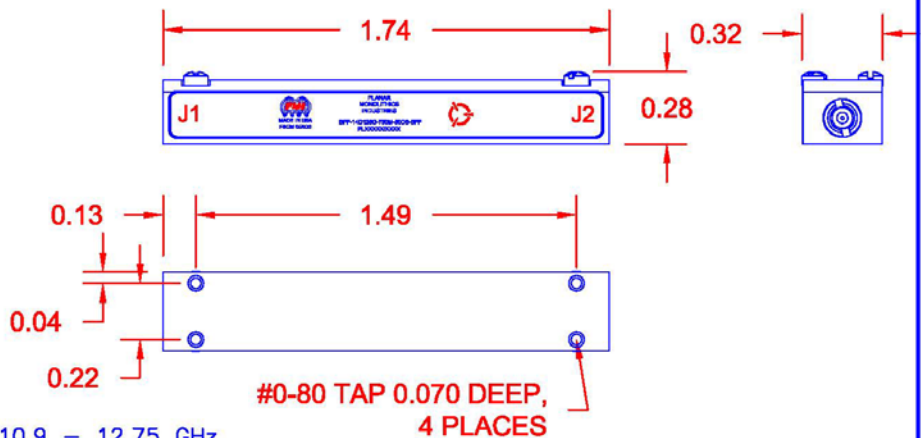
PMI'S 14.125 GHz BANDPASS FILTER IS A SURFACE MOUNT FILTER MOUNTED INTO A HOUSING. THIS MODEL HAS THE FOLLOWING SPECIFICATIONS.

REVISIONS			
ZONE	REV.	DESCRIPTION	DATE
	1	ORIGINAL RELEASE	08/24/17
	2	MOUNTING HOLES NOTE	08/08/17
	A1	ECN # 17-0113	08/27/17

MECHANICAL OUTLINE

SPECIFICATIONS

- CENTER FREQUENCY: 14.125 GHz
- 1 dB BANDWIDTH: 750 MHz
- VSWR OVER 90% OF THE PASSBAND: 2.0 : 1 MAX
- 1dB PASSBAND INSERTION LOSS: 3 dB MAX
- REJECTION: -50 dBc MIN 10.9 - 12.75 GHz
-50 dBc MIN 15.5 - 17.35 GHz
- CONNECTORS: SMPM (M)
- INPUT POWER: +40 dBm CW MAX
- SIZE: 1.74"x0.28"x0.32" MAX
- FINISH: PAINTED BLUE



PMI CONFIDENTIAL AND PROPRIETARY

PLANAR MONOLITHICS INDUSTRIES, INC.

7311-F GROVE ROAD
FREDERICK, MARYLAND 21704 USA
TEL: 301-662-5019 FAX: 301-662-1731
WEBSITE: www.pmi-rf.com
E-MAIL: sales@pmi-rf.com
ISO 9001 CERTIFIED



APPROVALS		DATE		TITLE	
DRAWN	JPU		8/24/17	OUTLINE DRAWING	
CHECKED				BPF-14D125G-750M-50DB-SFF	
ISSUED				SIZE	FORM NO.
				A	05XQ0
				DWG NO.	27031301
				SCALE	N:S
				SHEET	1 OF 1

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
XXX ±0.010
XXX ±0.005

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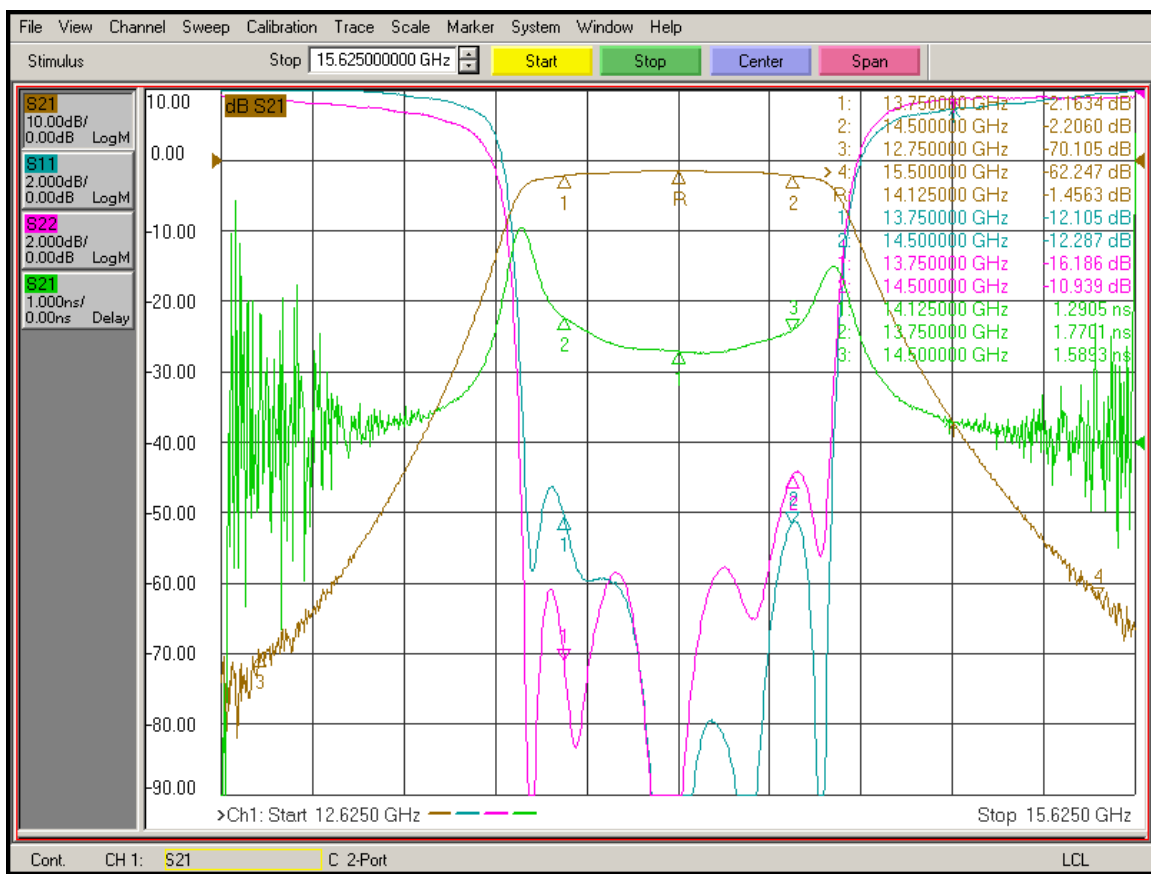
Tabulated Data

TEST. ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
1	Center Frequency:	14.125 GHz	14.125 GHz	
2	1 dB Bandwidth	750 MHz	750 MHz	
3	VSWR Over 90% of the Passband:	2.0 :1 MAX	2.0:1 MAX	
4	1dB Passband Insertion Loss:	3 dB MAX	2.2 dB	
5	Rejection	-50 dBc MIN 10.9 - 12.75 GHz -50 dBc MIN 15.5 - 17.35 GHz	-69 dBc MIN 10.9 - 12.75 GHz -59 dBc MIN 15.5 - 17.35 GHz	
6	Input Power	+40 dBm CW MAX	+40 dBm CW MAX	

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Narrow Band Responses



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Wide Band Responses

