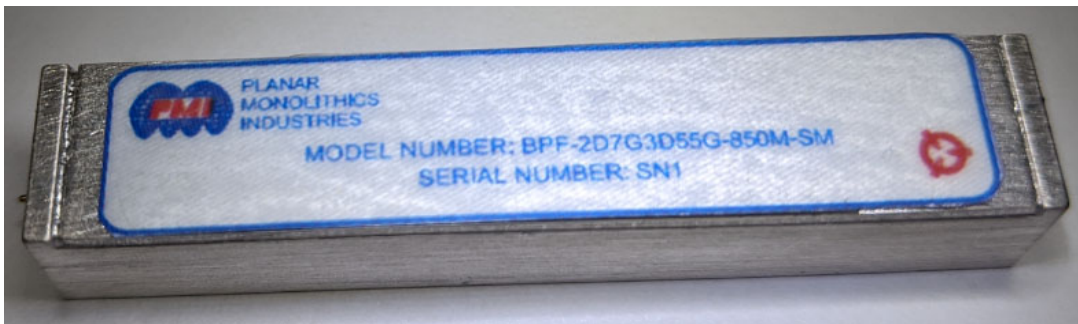




## Typical Characteristics on BPF-2D7G3D55G-850M-SM

PMI MODEL NUMBER BPF-2D7G3D55G-850M-SM IS A BANDPASS FILTER WITH A 1 dB BANDWIDTH OF 850 MHz MINIMUM COVERING 2700 TO 3550 MHz. THE FILTER IS BUILT IN A SURFACE MOUNT PACKAGE TO BE USED IN INTEGRATED MODULES.



Reported By: Dave Durbin

December 1, 2020



# Typical Characteristics on BPF-2D7G3D55G-850M-SM

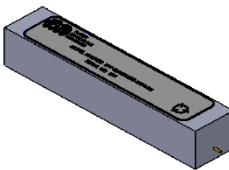
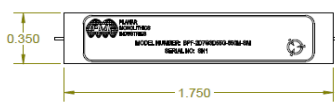
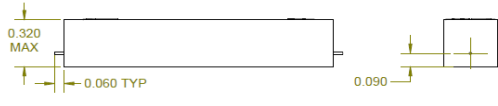
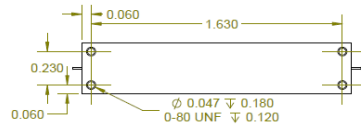
## OUTLINE DRAWING

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	6/19/99	
	B1	UPDATED SPECS	7/14/99	
	C1	UPDATED SPECS	10/19/99	

**DESCRIPTION:**  
PMI MODEL NUMBER BPF-2D7G3D55G-850M-SM IS A BANDPASS FILTER WITH A 1 dB BANDWIDTH OF 850 MHz MINIMUM COVERING 2700 TO 3550 MHz. THE FILTER IS BUILT IN A SURFACE MOUNT PACKAGE TO BE USED IN INTEGRATED MODULES.

**SPECIFICATIONS:**

- 1 dB PASSBAND FREQUENCY RANGE:..... 2.7 GHz TO 3.55 GHz MIN
- PASSBAND BANDWIDTH:..... 850 MHz MIN
- PASSBAND VSWR:..... 1.5:1 TYP, 2.0:1 MAX
- PASSBAND INSERTION LOSS:..... 3.5 dB MAXIMUM
- REJECTION:
  - 0.1 TO 2.488 GHz:..... -60 dBc MINIMUM
  - 3.763 TO 6.0 GHz:..... -60 dBc MINIMUM
- CONNECTORS:..... DROP-IN FILTER, 0.015" DIAMETER RF PIN

**ENVIRONMENTAL RATINGS:**

- TEMPERATURE:..... -40°C TO +85°C (OPERATING)  
-65°C TO +125°C (STORAGE)

**PMI CONFIDENTIAL AND PROPRIETARY**

<small>           PLANAR MONOLITHICS INDUSTRIES, INC.            7311-F GROVE ROAD            FREDERICK, MD 21704 USA            TEL: (301)662-5019 FAX: (301)662-1731            WWW.PMI-RF.COM         </small>		<small>           TITLE: 2700-3550 MHz BANDPASS FILTER            PART NO: BPF-2D7G3D55G-850M-SM            SIZE: 05X02            REV: C1            SCALE: 2:1            SHEET 1 OF 1         </small>	
<small>           MATERIAL: CERAMIC            FINISH: NONE            NEXT ASSY: USED ON: APPLICATION:         </small>	<small>           SPECIAL: D. DURBIN            APPROVALS: DATE: 10/19/99         </small>	<small>           PART NO: BPF-2D7G3D55G-850M-SM            TITLE: 2700-3550 MHz BANDPASS FILTER            SIZE: 05X02            REV: C1            SCALE: 2:1            SHEET 1 OF 1         </small>	



# Typical Characteristics on BPF-2D7G3D55G-850M-SM

SN1

## SUMMARY TEST DATA ON 2.7 to 3.55 GHz Filter

Customer: \_\_\_\_\_ Tested By: D. Durbin  
 SO No: \_\_\_\_\_ Temperature: +25°C  
 Model No: 2.7 to 3.55 GHz Filter Date: 11/3/2020  
 Serial No: SN1

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	Test Results	QA QC
1	1 dB Passband	2.7 to 3.55 GHz MIN	<b>2657 MHz - 3614 MHz</b>	
2	Passband Bandwidth	850 MHz MIN	<b>957.38 MHz</b>	
3	Rejection	-60 dBc MIN DC - 2.488 GHz -60 dBc MIN 3.763 - 6.0 GHz	<b>-64.76 dBc @ DC - 2.488 GHz</b> <b>-64.12 dBc @ 3.763 - 6.0 GHz</b>	
4	Passband VSWR:	1.5:1 TYP, 2:1 MAX	<b>1.38:1</b>	
5	Insertion Loss (1 dB Passband):	3.5 dB MAX	<b>-2.35 dB</b>	

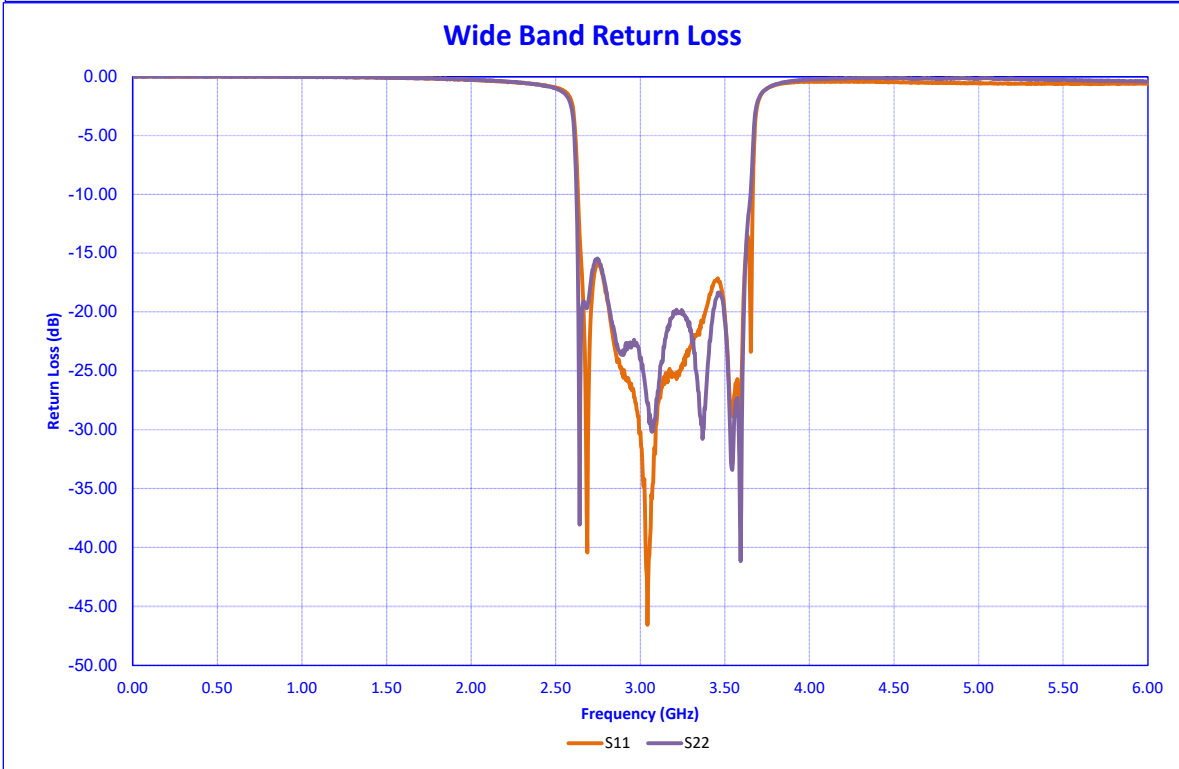
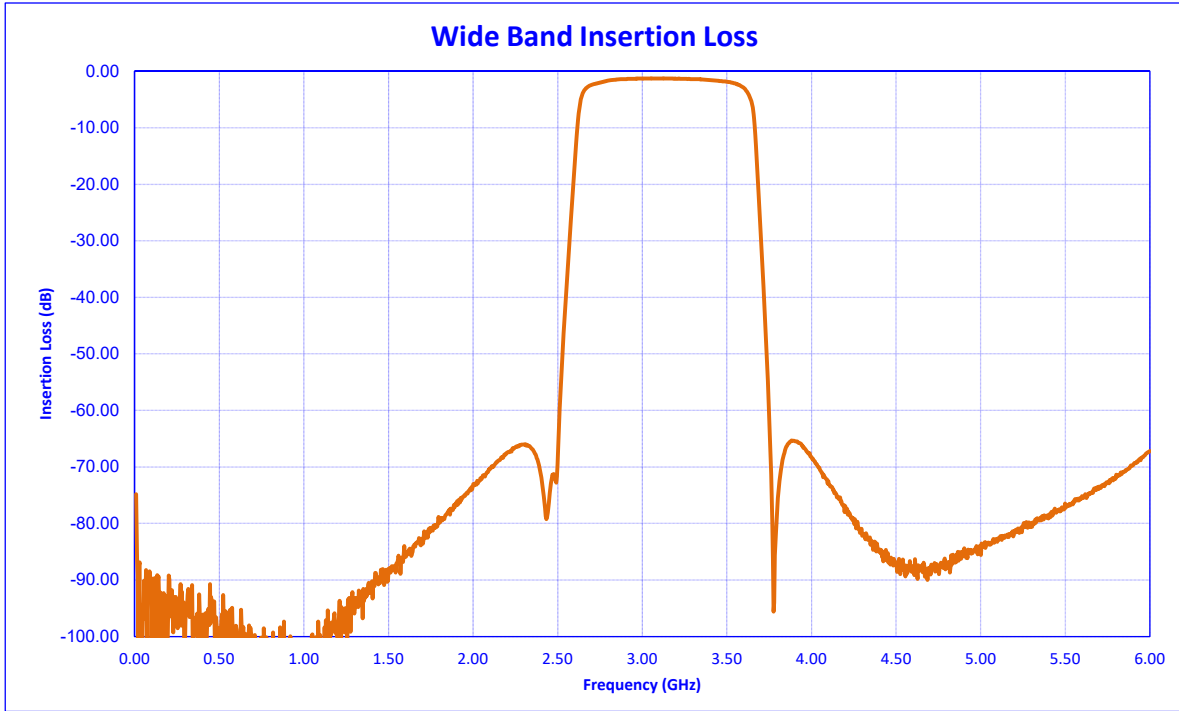
QA/QC Approval: \_\_\_\_\_ Date: \_\_\_\_\_

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



# Typical Characteristics on BPF-2D7G3D55G-850M-SM

SN1





# Typical Characteristics on BPF-2D7G3D55G-850M-SM

SN1

