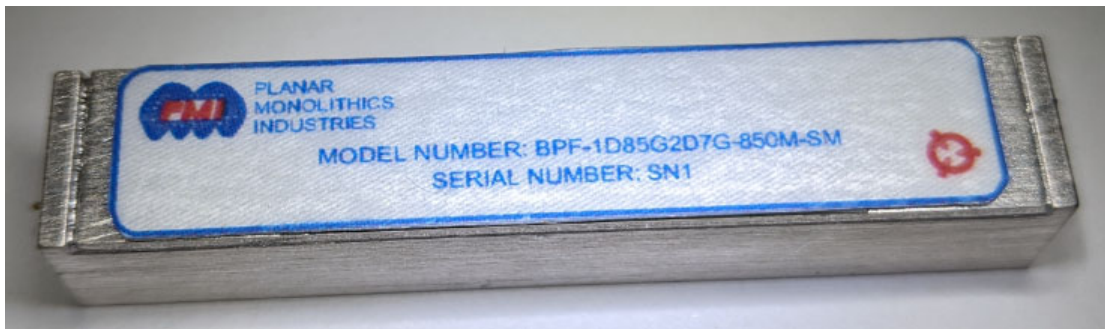




Typical Characteristics on BPF-1D85G2D7G-850M-SM

PMI MODEL NUMBER BPF-1D85G2D7G-850M-SM IS A BANDPASS FILTER WITH A 1 dB BANDWIDTH OF 850 MHz MINIMUM COVERING 1850 TO 2700 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-1D85G2D7G-850M-SM

OUTLINE DRAWING

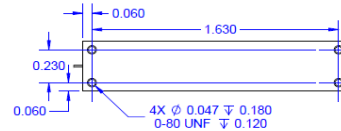
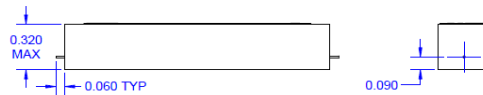
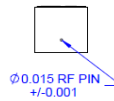
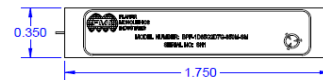
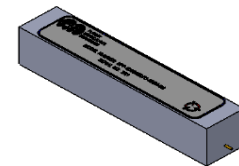
DESCRIPTION:

PMI MODEL NUMBER BPF-1D85G2D7G-850M-SM IS A BANDPASS FILTER WITH A 1 dB BANDWIDTH OF 850 MHz MINIMUM COVERING 1850 TO 2700 MHz. THE FILTER IS BUILT IN A SURFACE MOUNT PACKAGE TO BE USED IN INTEGRATED MODULES.

CONF. REV.	DESCRIPTION	DATE	APPROVED
A1	ORIGINAL RELEASE	6/19/98	
B1	UPDATED SPECS	7/14/99	
C1	UPDATED SPECS	09/09/08	

SPECIFICATIONS:

- 1 dB PASSBAND FREQUENCY RANGE:..... 1.85 GHz TO 2.7 GHz MIN
- PASSBAND BANDWIDTH:..... 850 MHz MIN
- PASSBAND VSWR:..... 1.5:1 TYP, 2.0:1 MAX
- PASSBAND INSERTION LOSS:..... 3.0 dB MAXIMUM
- REJECTION:
 - 0.1 TO 1.635 GHz:..... -60 dBc MINIMUM
 - 2.915 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

PLANAR MONOLITHICS INDUSTRIES, INC. 7311-F GROVE ROAD FREDERICK, MD 21704 USA TEL: (301) 662-5019 FAX: (301) 662-1731 WWW.PMI-RF.COM		PART NO. BPF-1D85G2D7G-850M-SM DATE JUL 2 1998	
MATERIAL: DURBIN		APPROVALS DATE D. DURBIN	
NEXT ASSEMBLY USED ON: APPLICATION		TITLE: 1850-2700 MHz BANDPASS FILTER BPF-1D85G2D7G-850M-SM SIZE: 05X20 DRAWING NO: 27035170 SCALE: 2:1 SHEET 1 OF 1	

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-1D85G2D7G-850M-SM

SN1

SUMMARY TEST DATA ON 1.85 to 2.7 GHz Filter

Customer: _____ Tested By: D. Durbin
 SO No: _____ Temperature: +25°C
 Model No: 1.85 to 2.7 GHz Filter Date: 11/5/2020
 Serial No: SN1

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	Test Results	QA QC
1	1 dB Passband	1.85 to 2.7 GHz MIN	1837 MHz - 2701 MHz	
2	Passband Bandwidth	850 MHz MIN	863.72 MHz	
3	Rejection	-60 dBc MIN DC - 1.637 GHz -60 dBc MIN 2.913 - 6.0 GHz	-61.92 dBc @ DC - 1.637 GHz -72.92 dBc @ 2.913 - 6.0 GHz	
4	Passband VSWR:	1.5:1 TYP, 2:1 MAX	1.35:1	
5	Insertion Loss (1 dB Passband):	3 dB MAX	-2.45 dB	

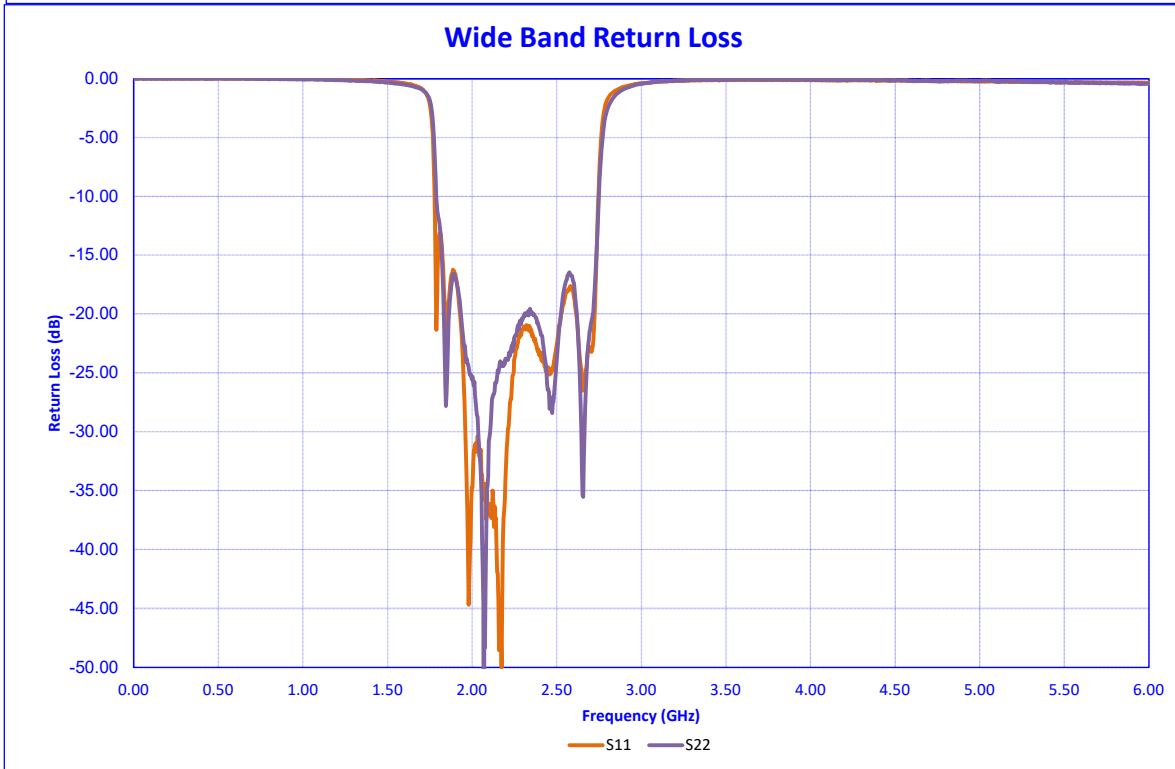
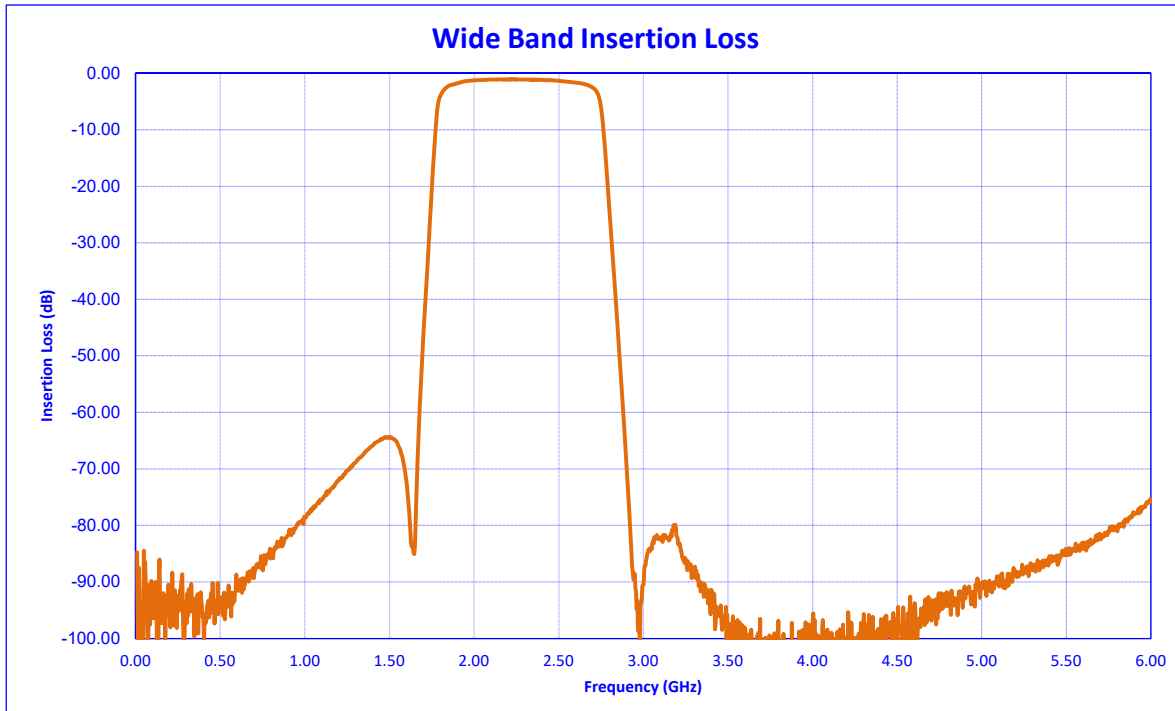
QA/QC Approval: _____ Date: _____

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 Email: sales@pmi-rf.com



Typical Characteristics on BPF-1D85G2D7G-850M-SM

SN1





Typical Characteristics on BPF-1D85G2D7G-850M-SM

SN1

