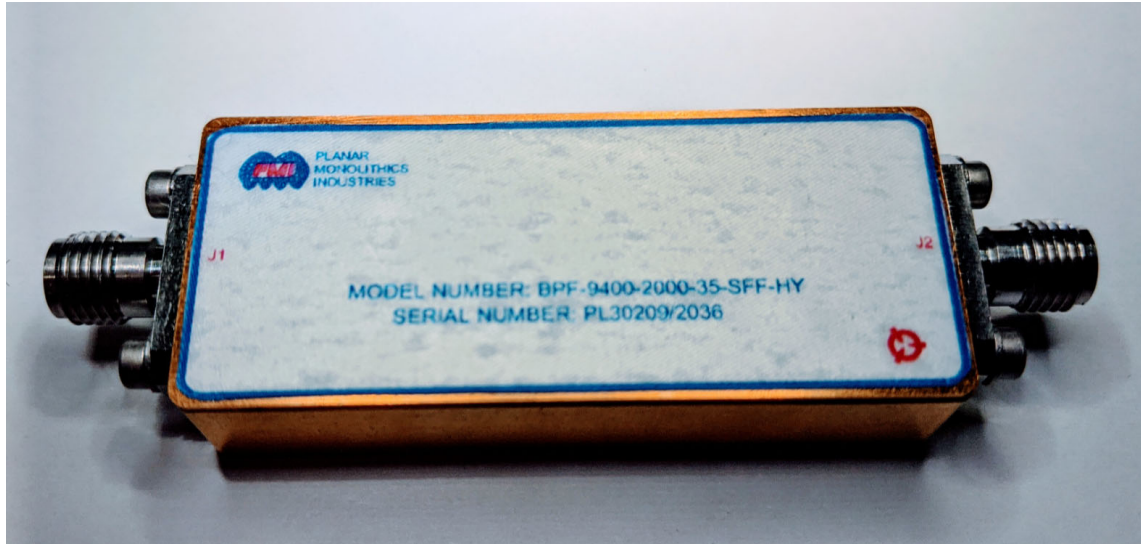




Typical Characteristics
on
BPF-9400-2000-35-SFF-HY

PLANAR MONOLITHICS INDUSTRIES MODEL NUMBER BPF-9400-2000-35-SFF-HY IS A BANDPASS FILTER. THE PASSBAND IS FROM 8400 TO 10400 MHz MINIMUM AND THE FILTER HAS THE FOLLOWING SPECIFICATIONS.



Tested By: E. Kretz
September 18, 2020



**Typical Characteristics
on
BPF-9400-2000-35-SFF-HY**

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Typical Characteristics on BPF-9400-2000-35-SFF-HY

OUTLINE DRAWING

FORM	REV	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE		

DESCRIPTION:
 PLANAR MONOLITHICS INDUSTRIES MODEL NUMBER BPF-9400-2000-35-SFF-HY IS A BANDPASS FILTER.
 THE PASSBAND IS FROM 8400 TO 10400 MHz MINIMUM AND THE FILTER HAS THE FOLLOWING SPECIFICATIONS.

SPECIFICATIONS:

- PASSBAND FREQUENCY RANGE..... 8400 TO 10400 MHz MINIMUM
- -3 dB BANDWIDTH..... 2000 MHz MINIMUM
- -1 dB PASSBAND INSERTION LOSS..... 5 dB MAXIMUM
- PASSBAND VSWR..... 2.0:1 MAXIMUM OVER 90% OF PASSBAND
- REJECTION..... -35 dBc MINIMUM 100 - 8000 MHz
 -35 dBc MINIMUM 10800 - 15000 MHz

CONNECTORS:..... SMA FEMALE (FIELD REPLACEABLE)

SIZE:..... 1.92" X 0.80" X 0.40"

FINISH:..... GOLD PLATED

FIELD REPLACEABLE
SMA (F) CONNECTORS
2 PLACES

ENVIRONMENTAL RATINGS:

- TEMPERATURE..... -45°C TO +85°C (OPERATING)
 -55°C TO +125°C (STORAGE)

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION. SPECIFICATIONS MAY VARY OVER TEMPERATURE.

APPROVALS		DATE	
D. DURBIN	[Signature]		
PMI CONFIDENTIAL AND PROPRIETARY PLANAR MONOLITHICS INDUSTRIES, INC. 7311-F GROVE ROAD FREDERICK, MARYLAND 21704 USA TEL: (301) 662-5019 FAX: (301) 662-1731 WWW.PMI-RF.COM			
TITLE OUTLINE DRAWING		FILE BPF-9400-2000-35-SFF-HY	
REVISIONS NO. DESCRIPTION DATE		1 00X00 2/03/9500	
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



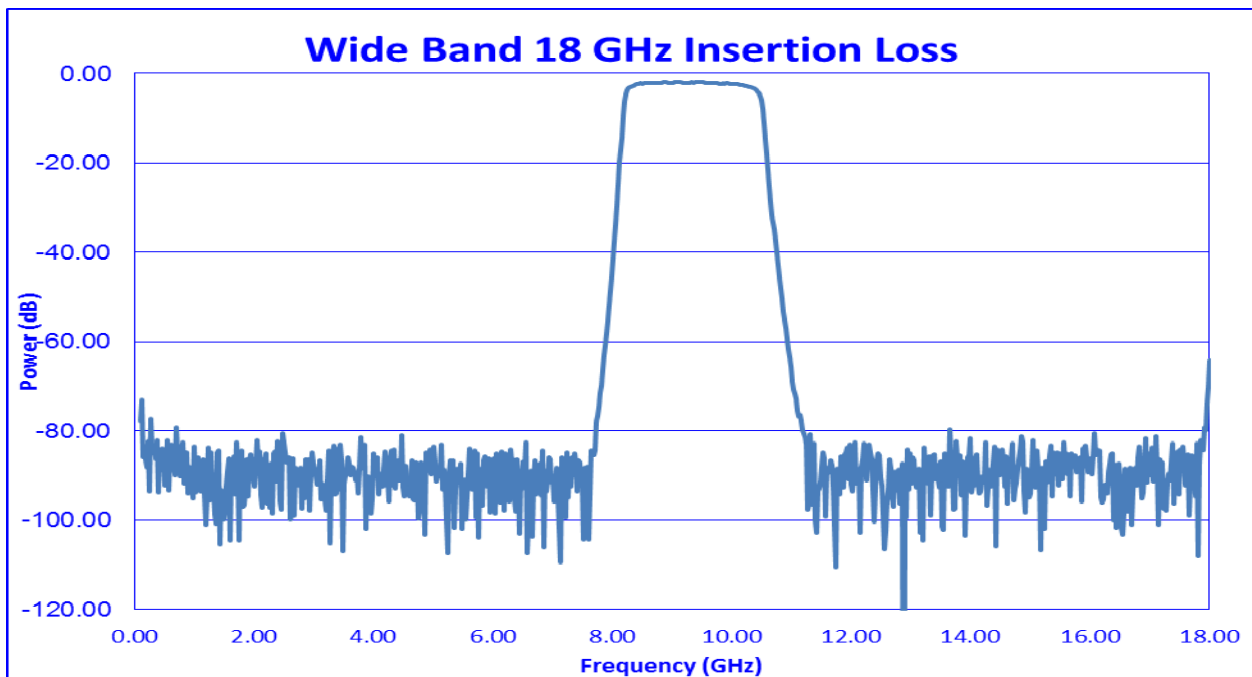
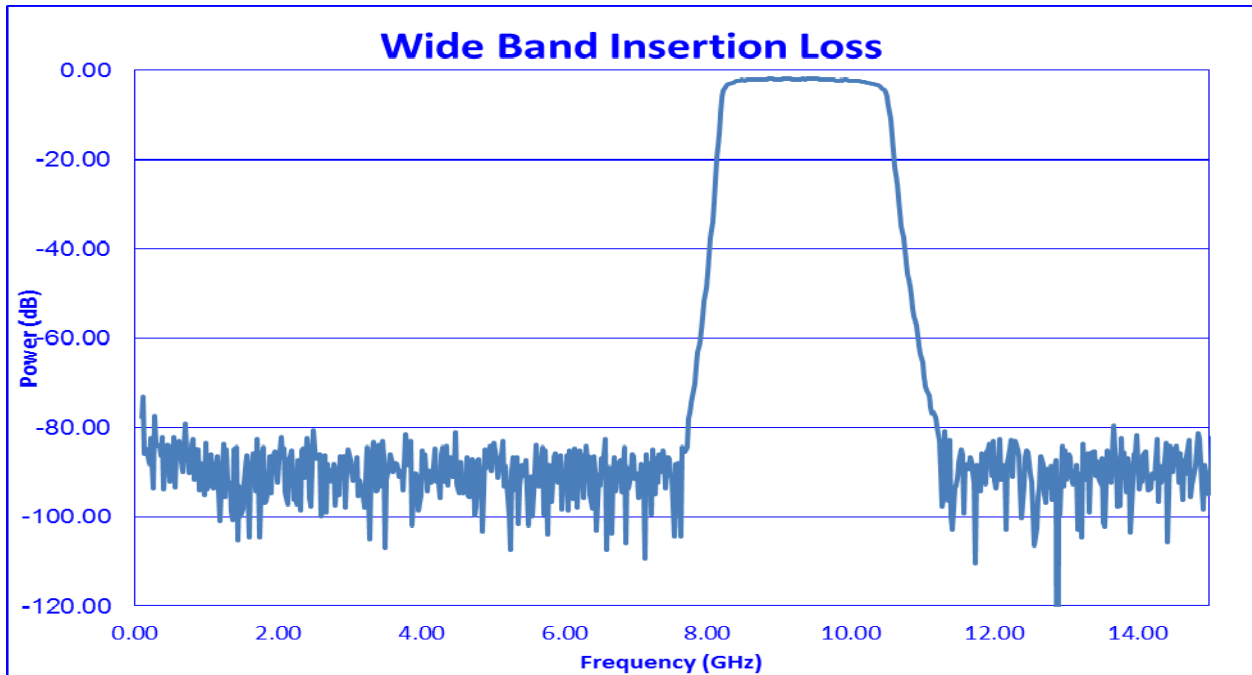
Typical Characteristics
on
BPF-9400-2000-35-SFF-HY

TEST DATA SUMMARY +23°C

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	Test Results	QA QC
1	Passband	8.4 To 10.4 GHz	8.4 To 10.4 GHz	
2	Passband Flatness	3 dB MAX	1.69 dB	
3	Rejection	-35 dBc MIN 0.1 - 8.0 GHz -35 dBc MIN 10.8 - 15.0 GHz	-41.85 dBc @ 0.1 - 8.0 GHz -42.16 dBc @ 10.8 - 15.0 GHz	
4	Passband VSWR:	2.0:1 MAX	1.52:1	
5	Insertion Loss (1 dB PASSBAND):	5.0 dB MAX	2.75 dB	



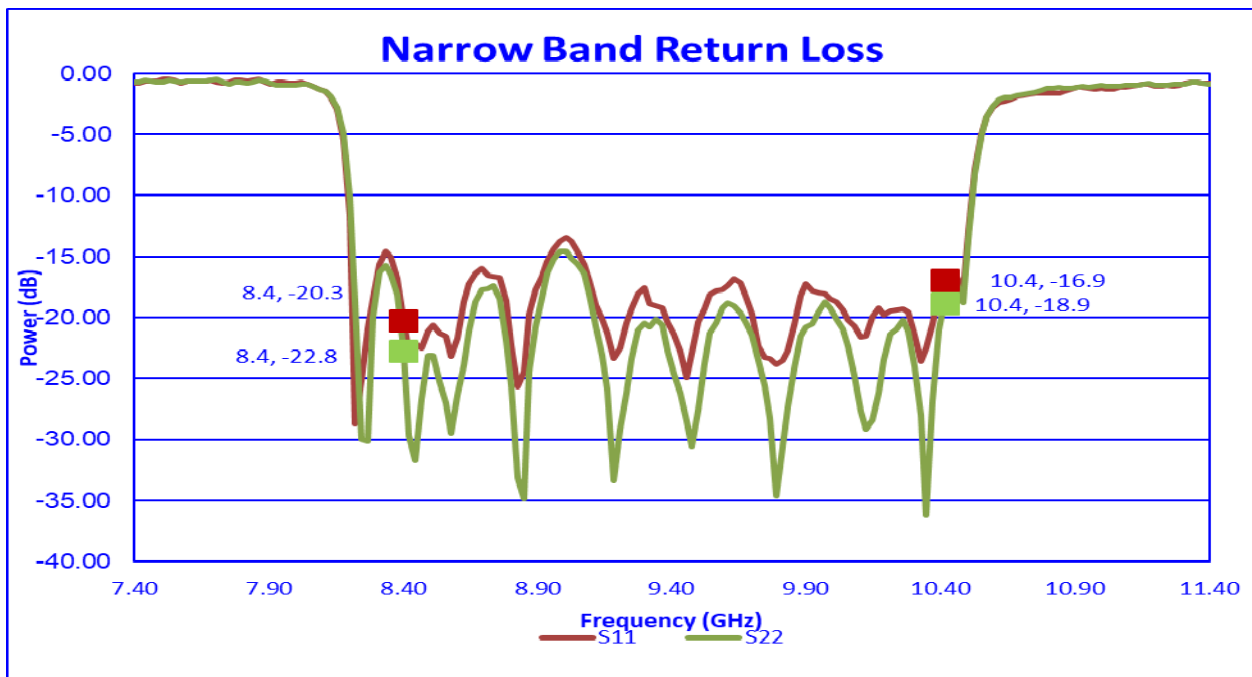
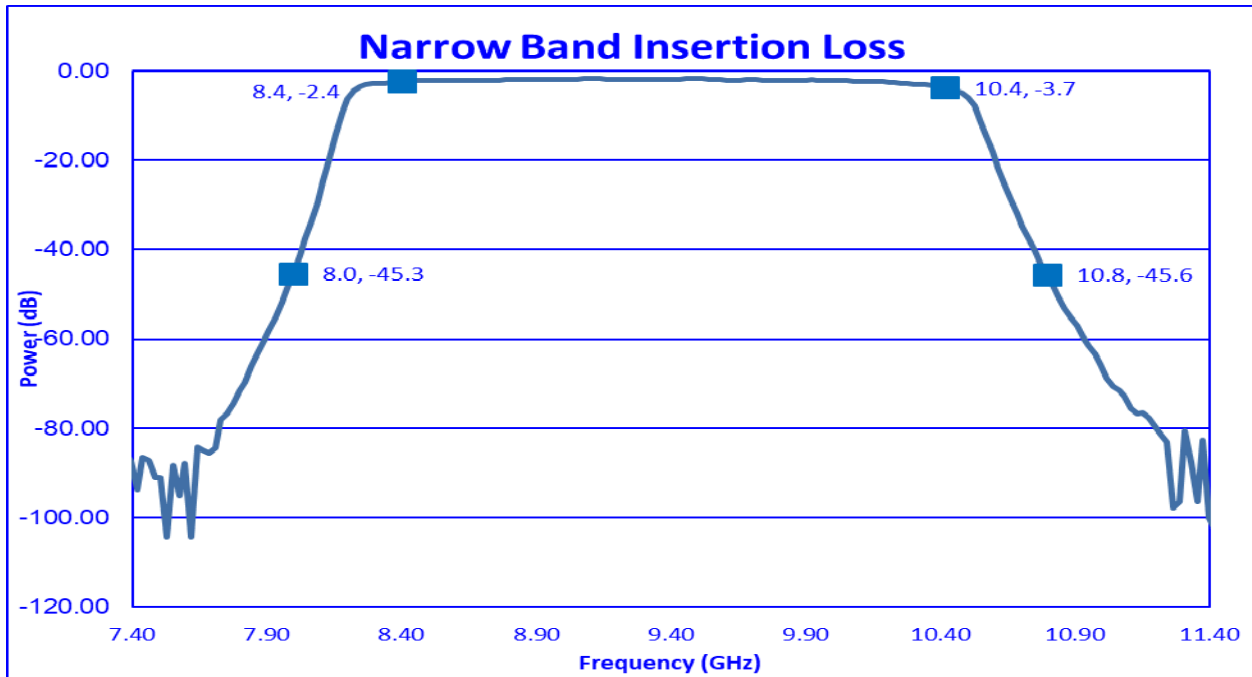
**Typical Characteristics
on
BPF-9400-2000-35-SFF-HY**



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email: sales@pmi-rf.com

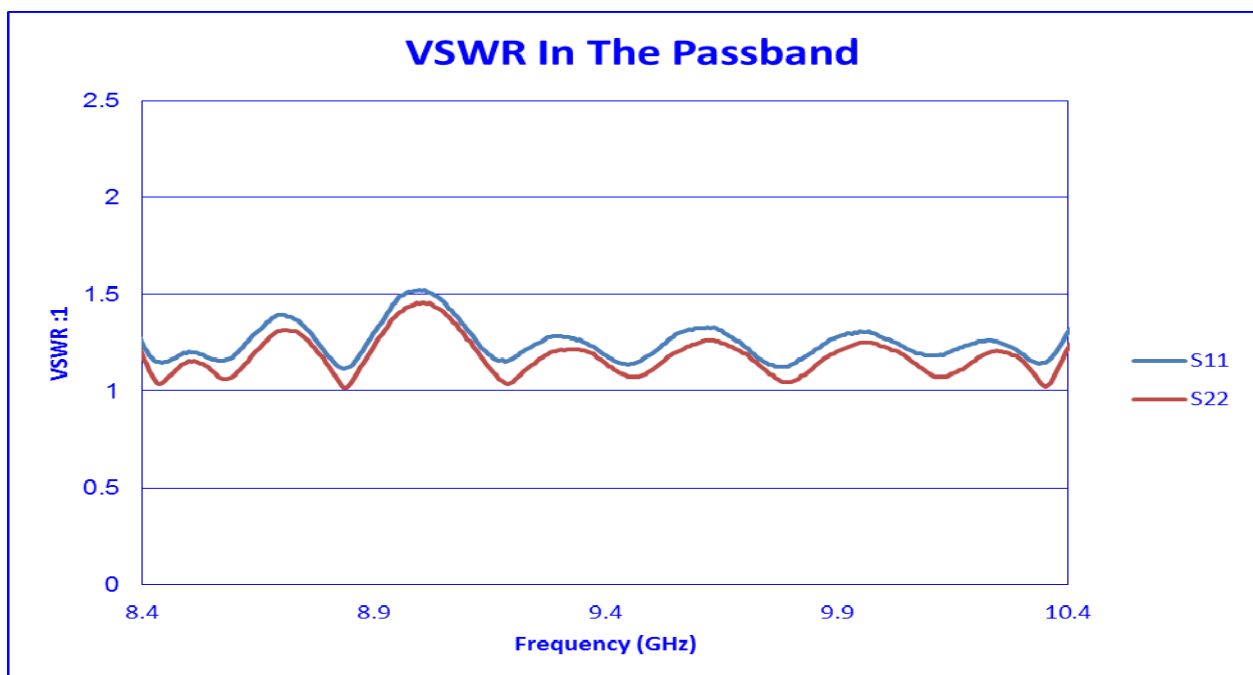
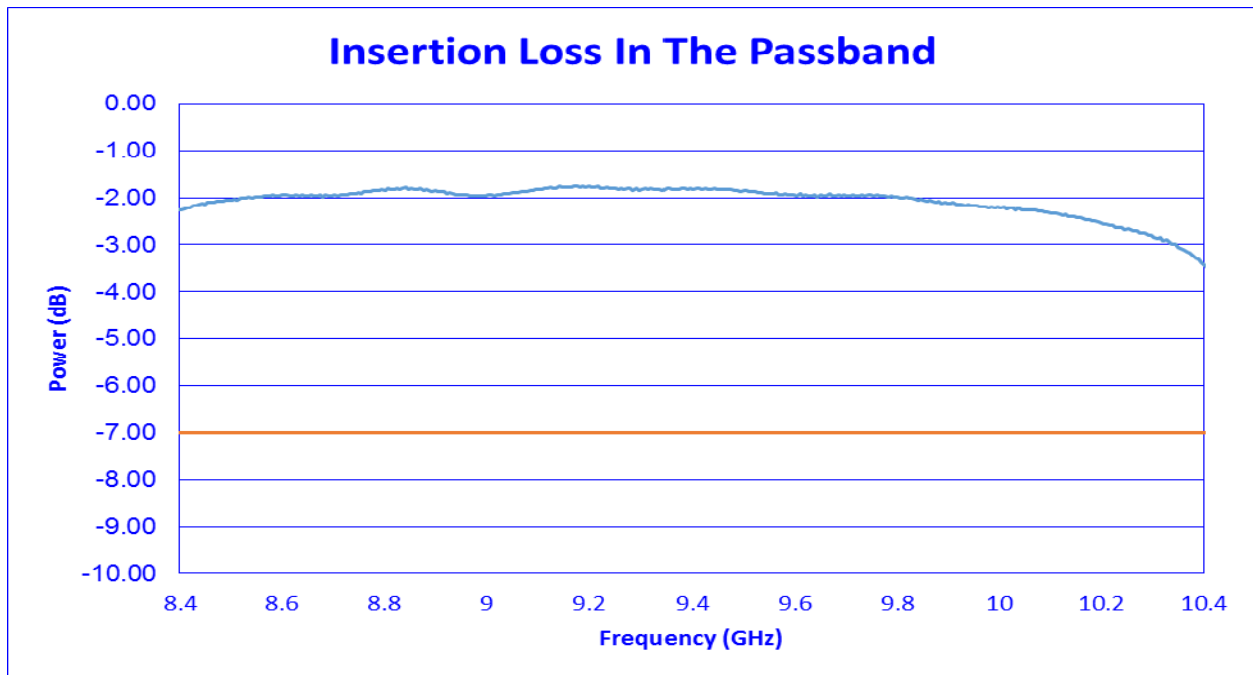


Typical Characteristics on BPF-9400-2000-35-SFF-HY



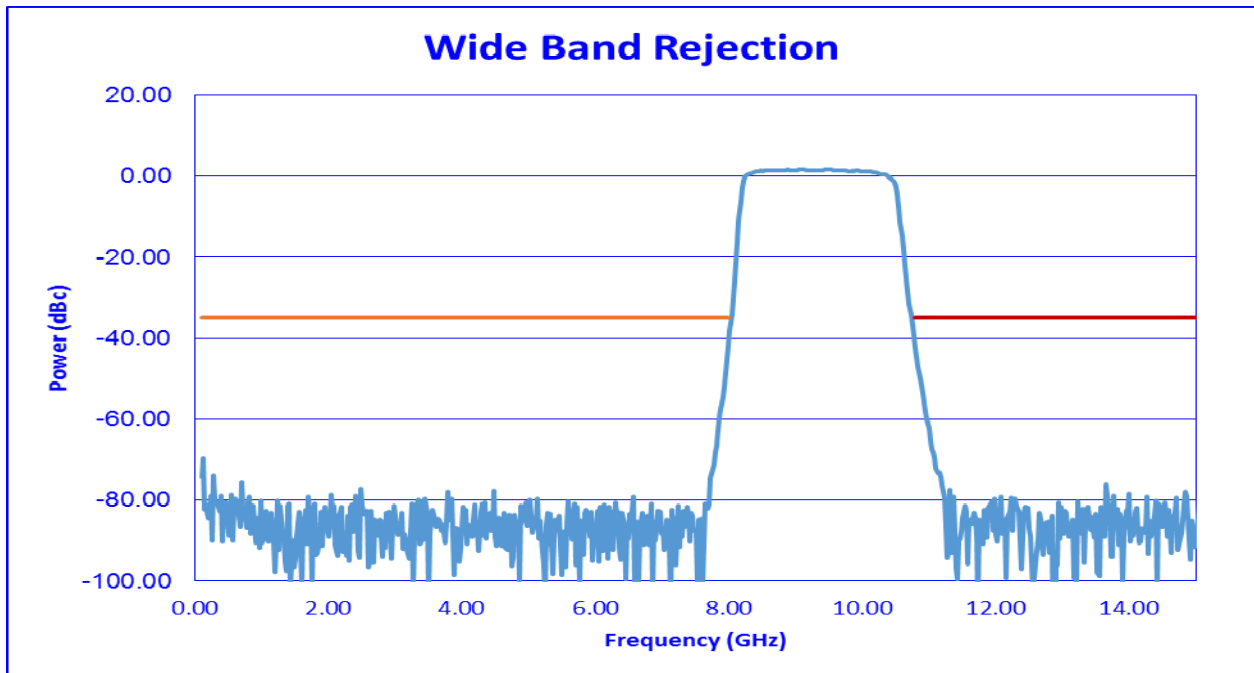
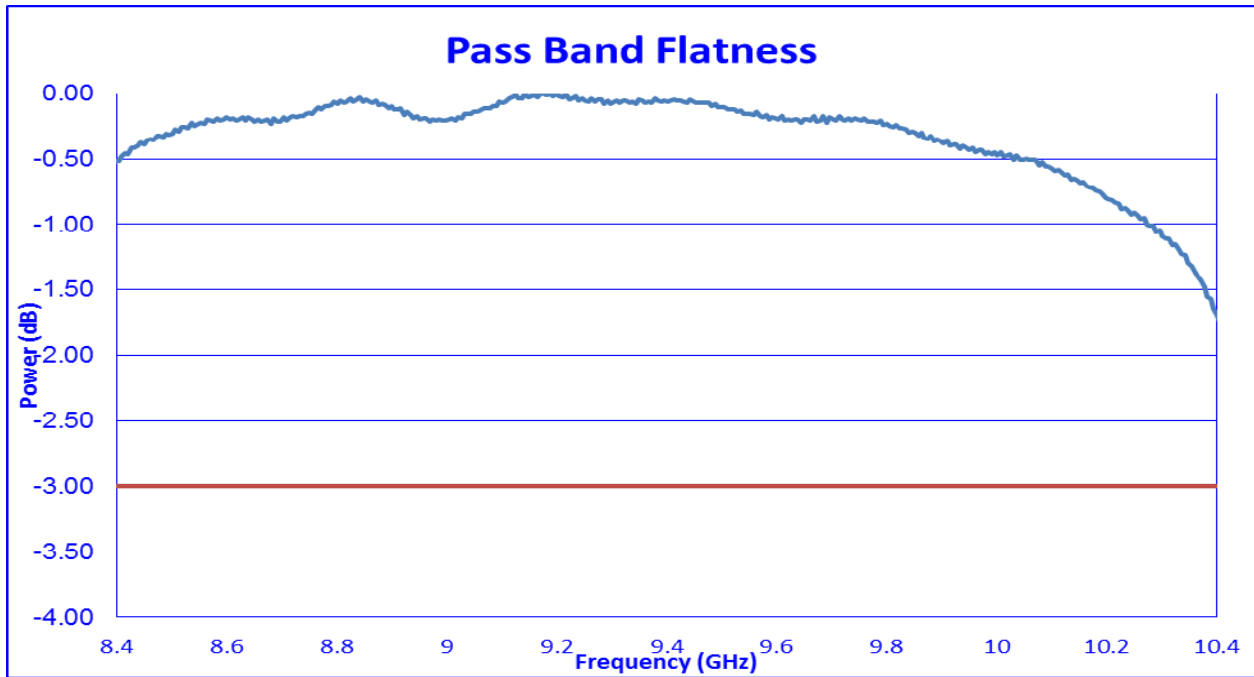


Typical Characteristics on BPF-9400-2000-35-SFF-HY





Typical Characteristics on BPF-9400-2000-35-SFF-HY





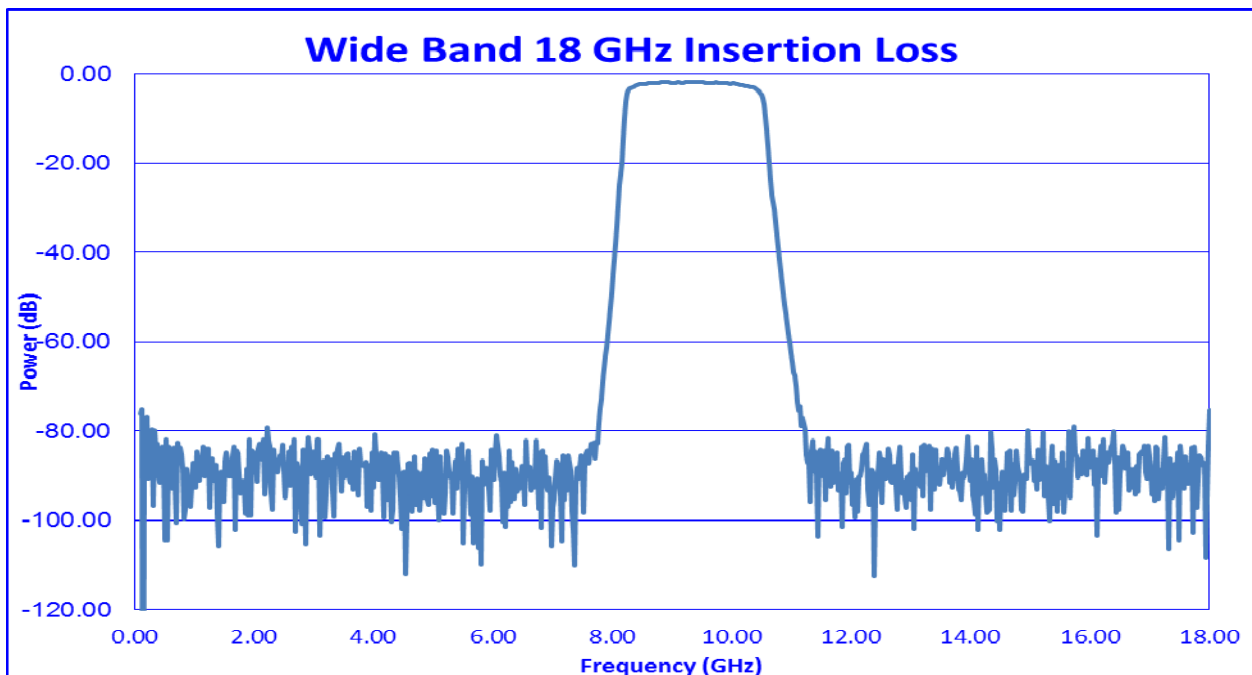
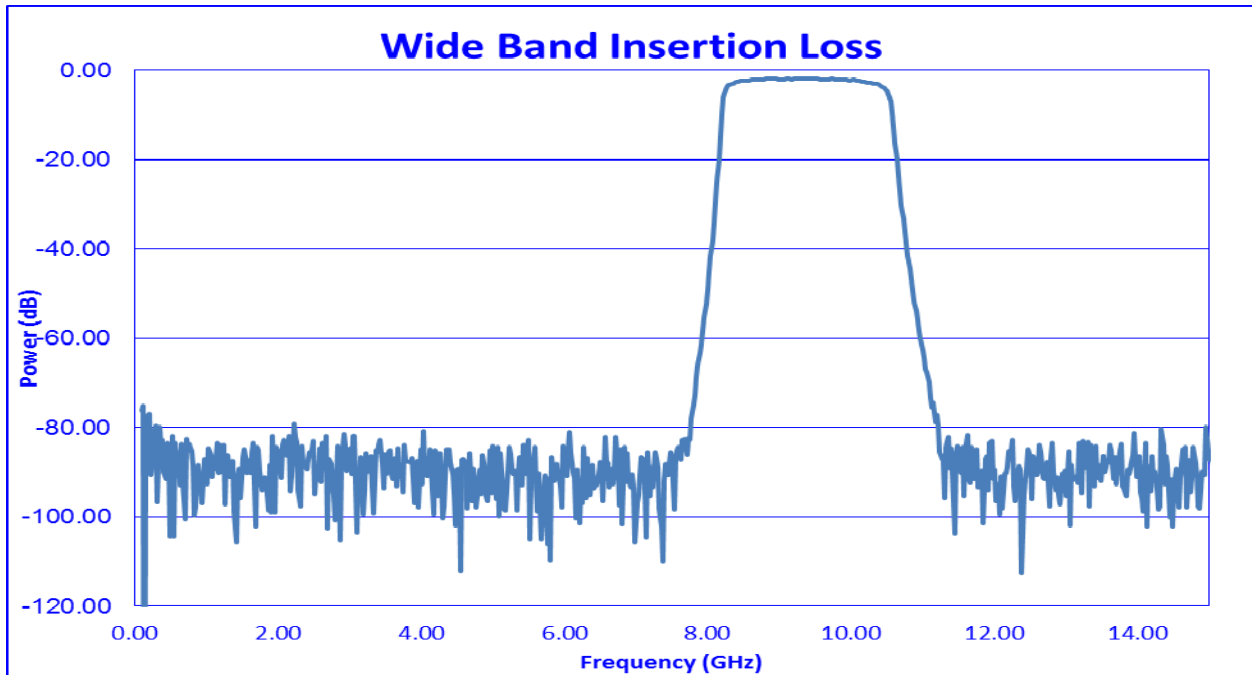
Typical Characteristics
on
BPF-9400-2000-35-SFF-HY

TEST DATA SUMMARY -40°C

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	Test Results	QA QC
1	Passband	8.4 To 10.4 GHz	8.4 To 10.4 GHz	
2	Passband Flatness	3 dB MAX	1.37 dB	
3	Rejection	-35 dBc MIN 0.1 - 8.0 GHz -35 dBc MIN 10.8 - 15.0 GHz	-45.87 dBc @ 0.1 - 8.0 GHz -38.54 dBc @ 10.8 - 15.0 GHz	
4	Passband VSWR:	2.0:1 MAX	1.53:1	
5	Insertion Loss (1 dB PASSBAND):	5.0 dB MAX	2.72 dB	



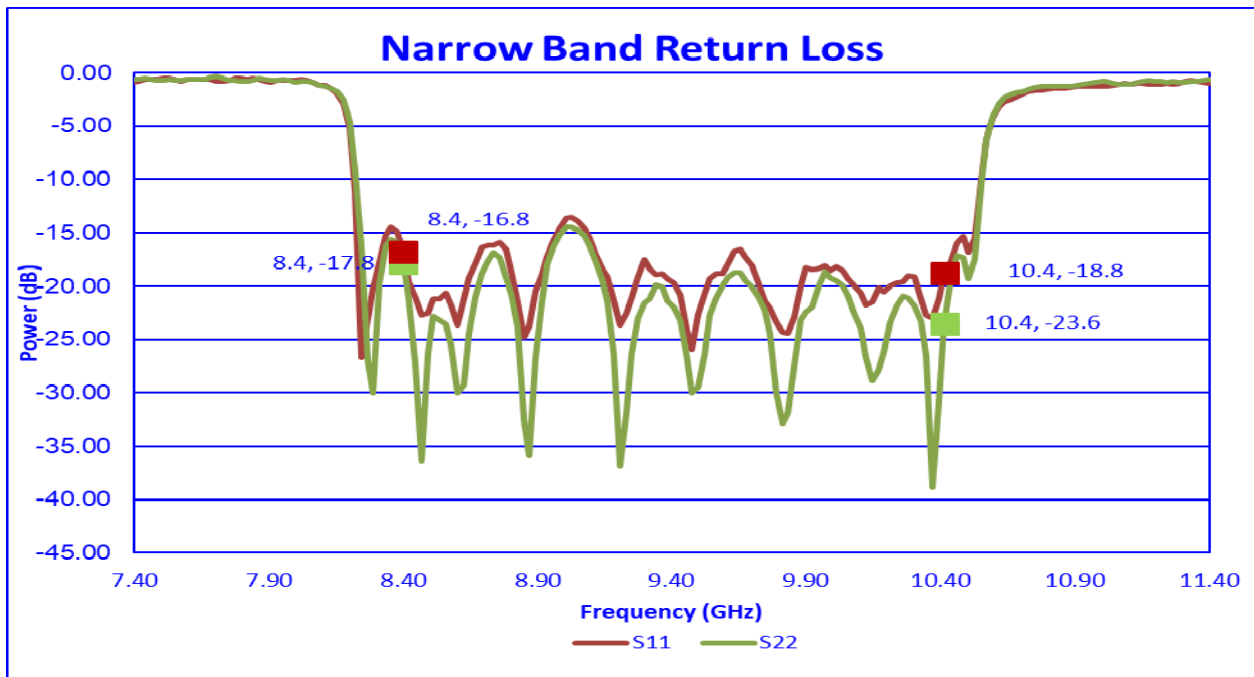
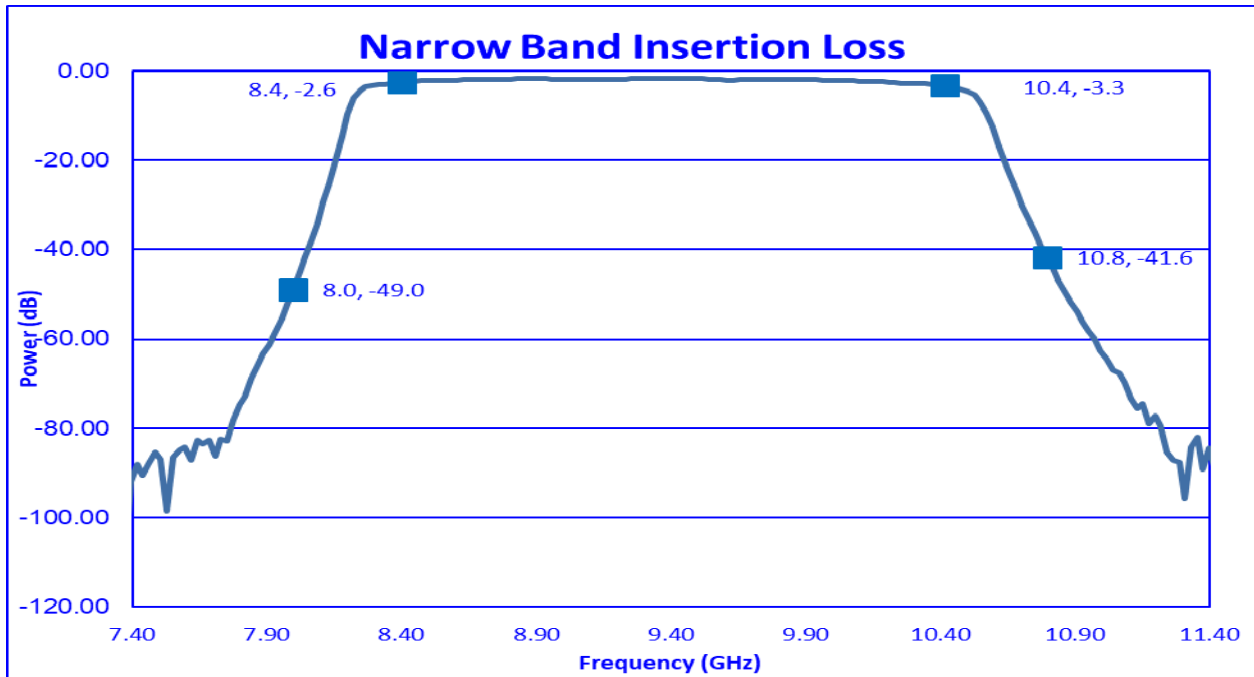
**Typical Characteristics
on
BPF-9400-2000-35-SFF-HY**



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email: sales@pmi-rf.com

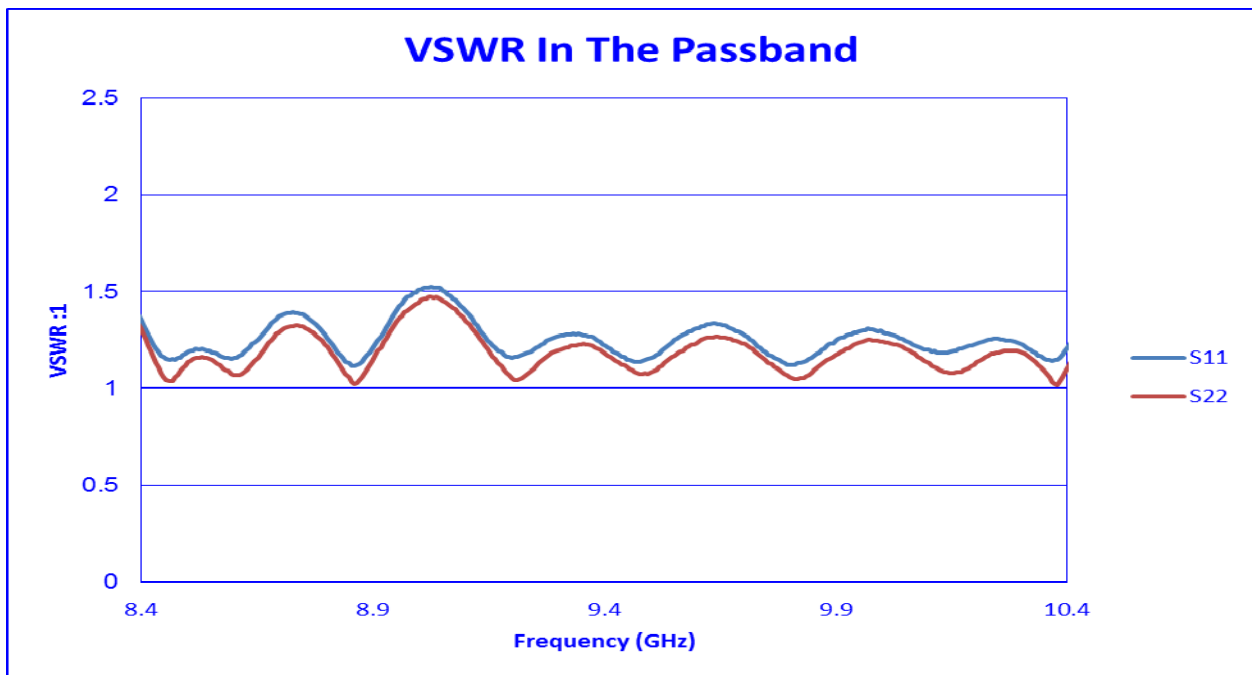
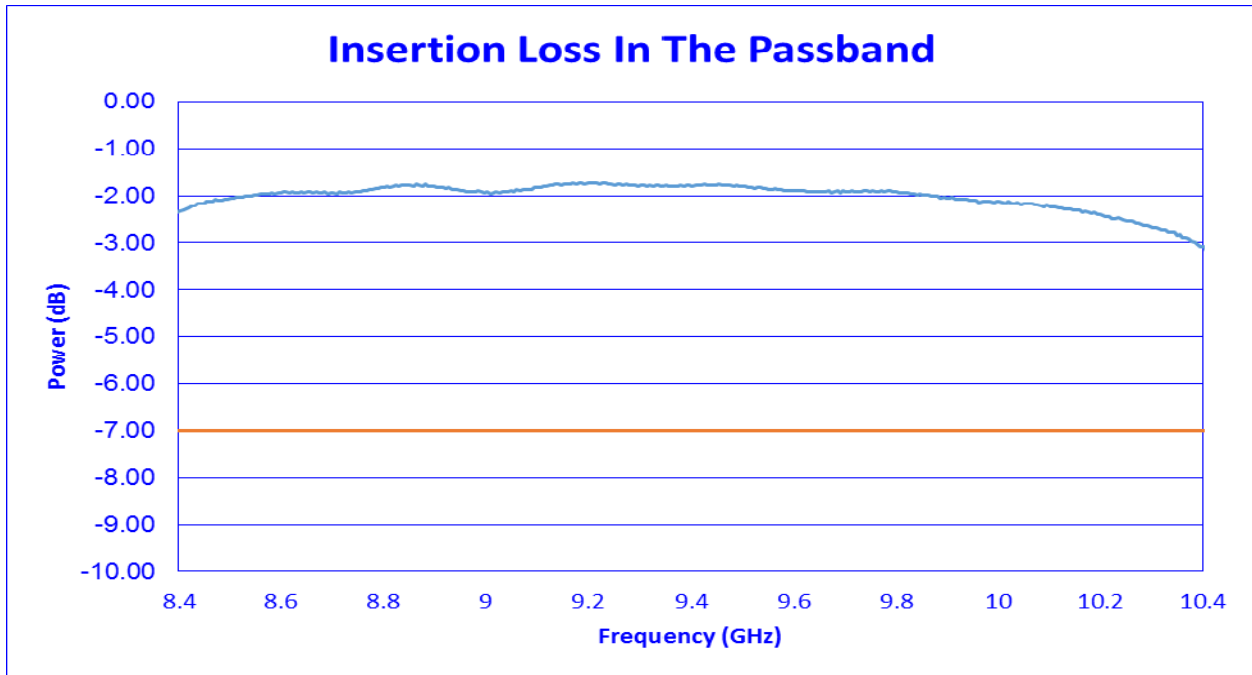


Typical Characteristics on BPF-9400-2000-35-SFF-HY



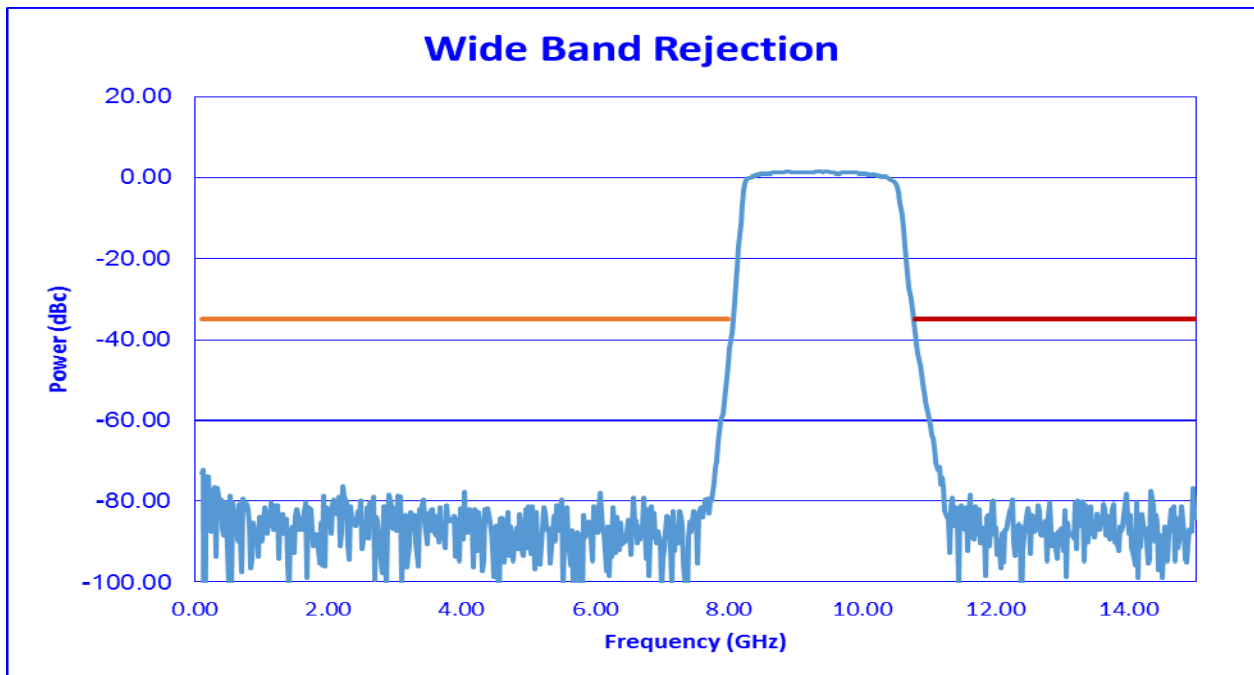
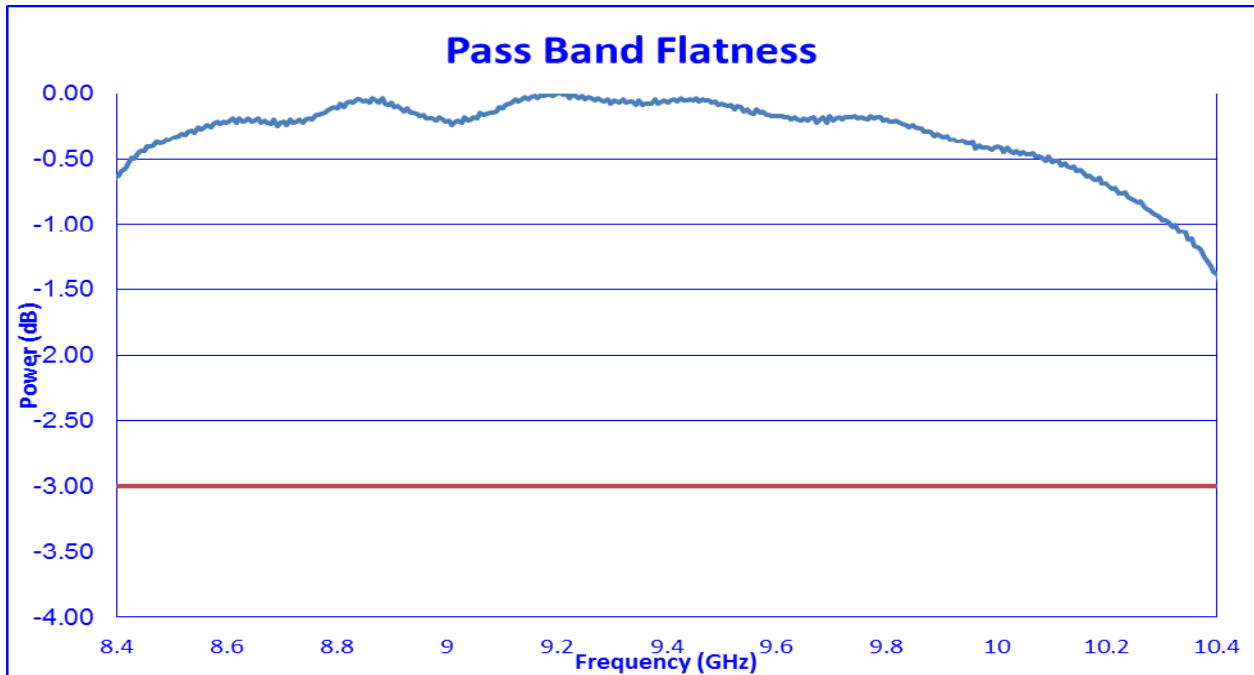


Typical Characteristics on BPF-9400-2000-35-SFF-HY





Typical Characteristics on BPF-9400-2000-35-SFF-HY





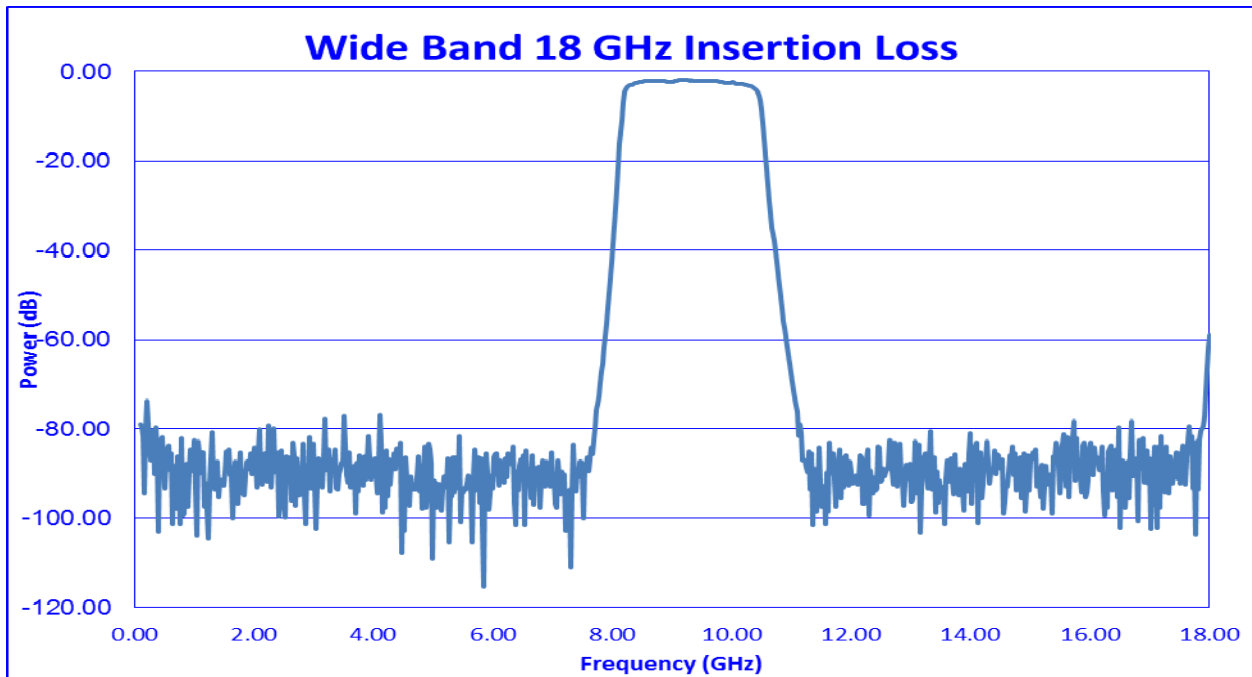
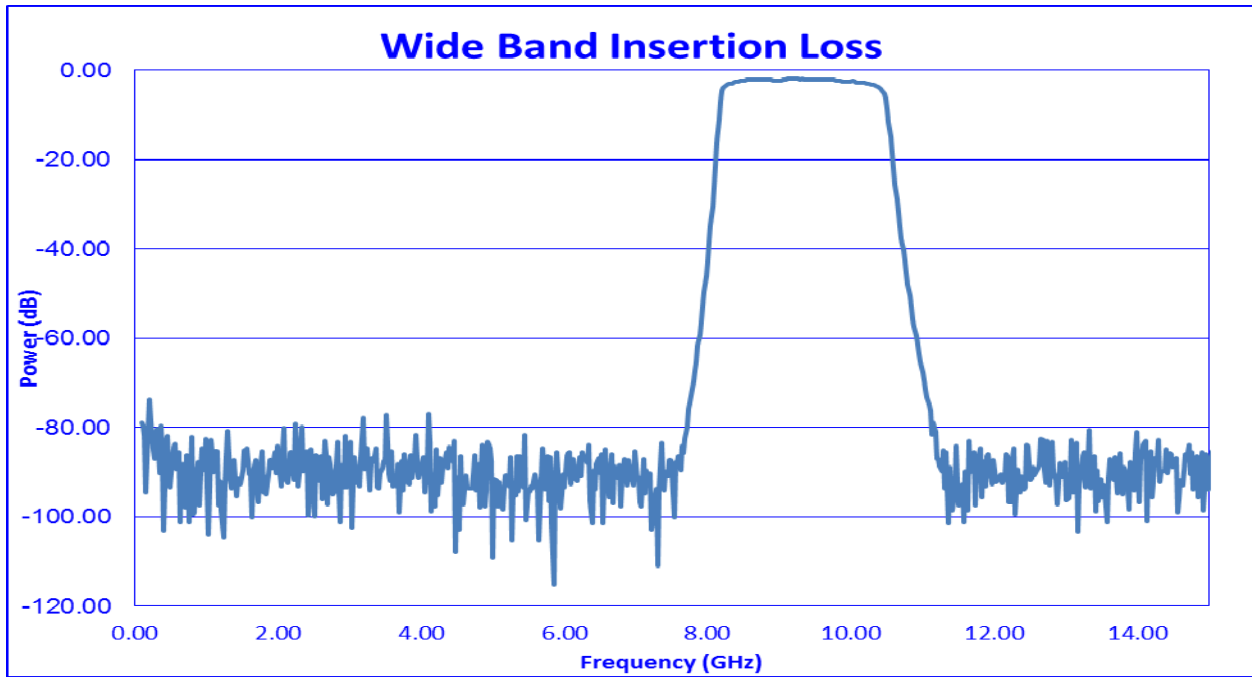
Typical Characteristics
on
BPF-9400-2000-35-SFF-HY

TEST DATA SUMMARY +85°C

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	Test Results	QA QC
1	Passband	8.4 To 10.4 GHz	8.4 To 10.4 GHz	
2	Passband Flatness	3 dB MAX	2.06 dB	
3	Rejection	-35 dBc MIN 0.1 - 8.0 GHz -35 dBc MIN 10.8 - 15.0 GHz	-38.67 dBc @ 0.1 - 8.0 GHz -44.1 dBc @ 10.8 - 15.0 GHz	
4	Passband VSWR:	2.0:1 MAX	1.54:1	
5	Insertion Loss (1 dB PASSBAND):	5.0 dB MAX	2.86 dB	

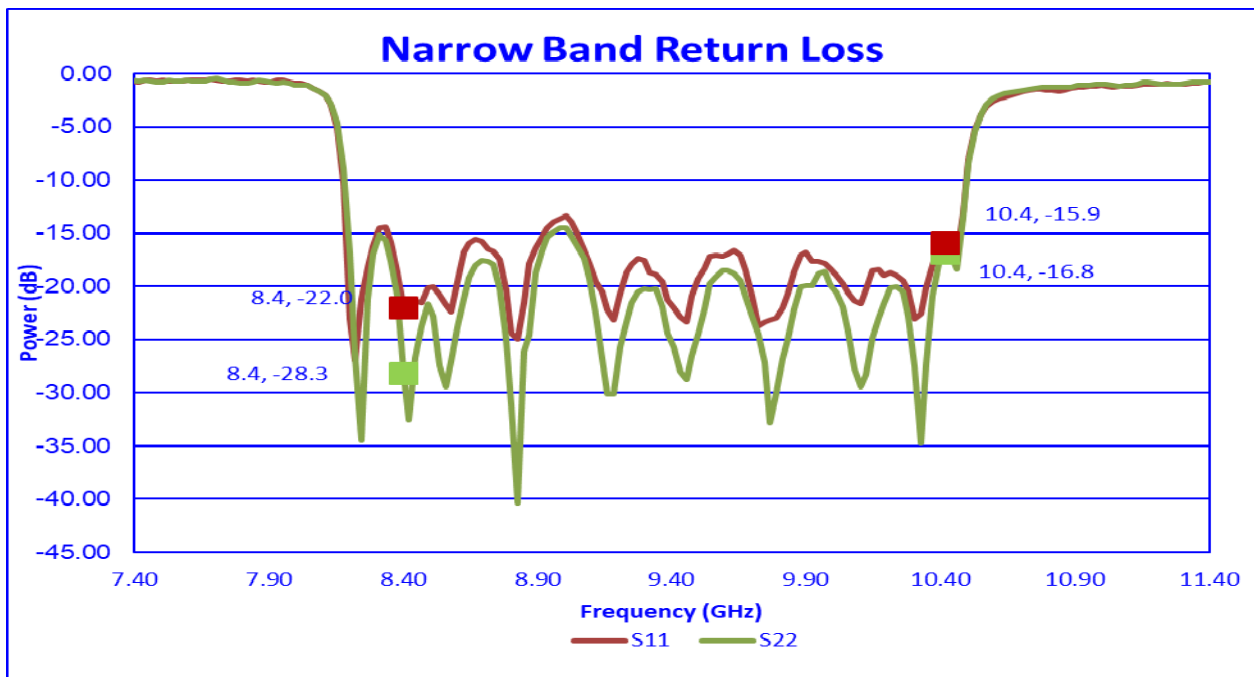
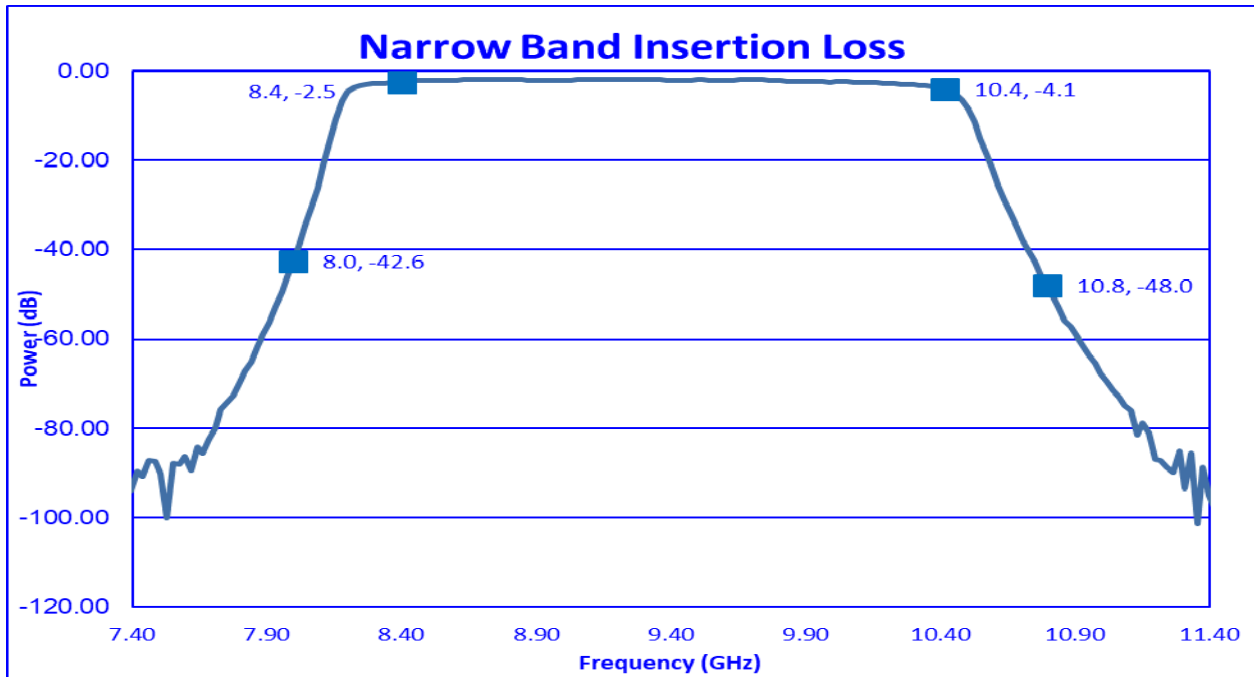


**Typical Characteristics
on
BPF-9400-2000-35-SFF-HY**



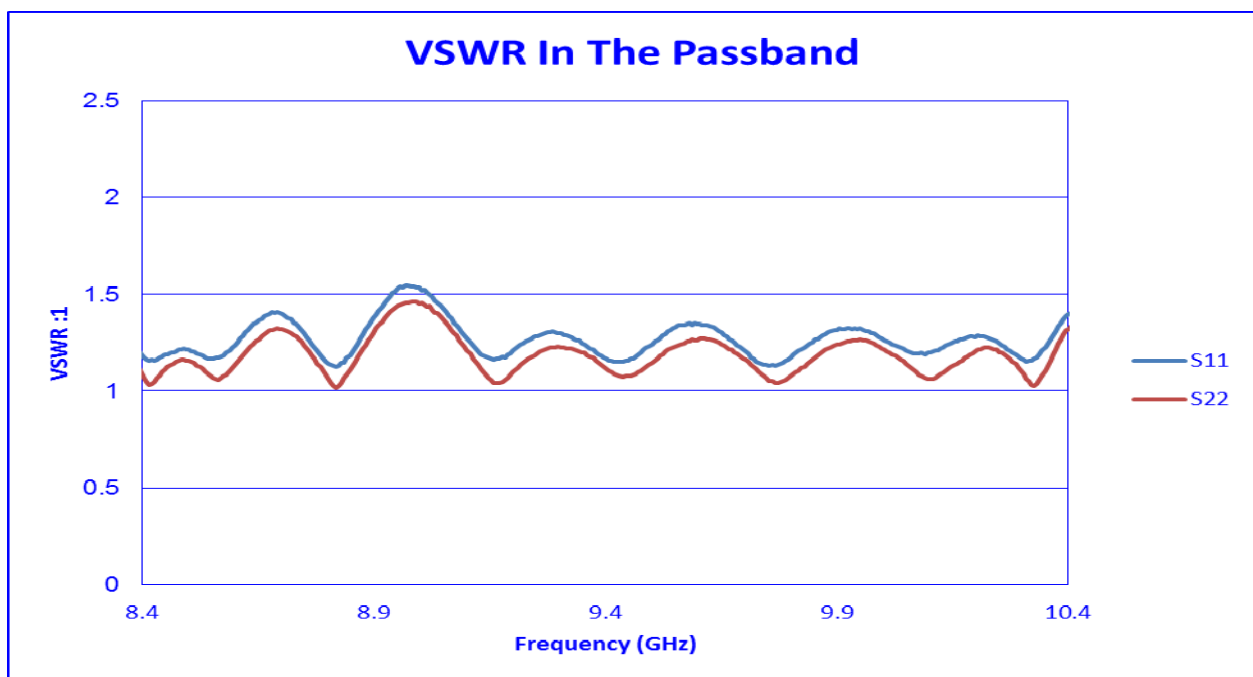
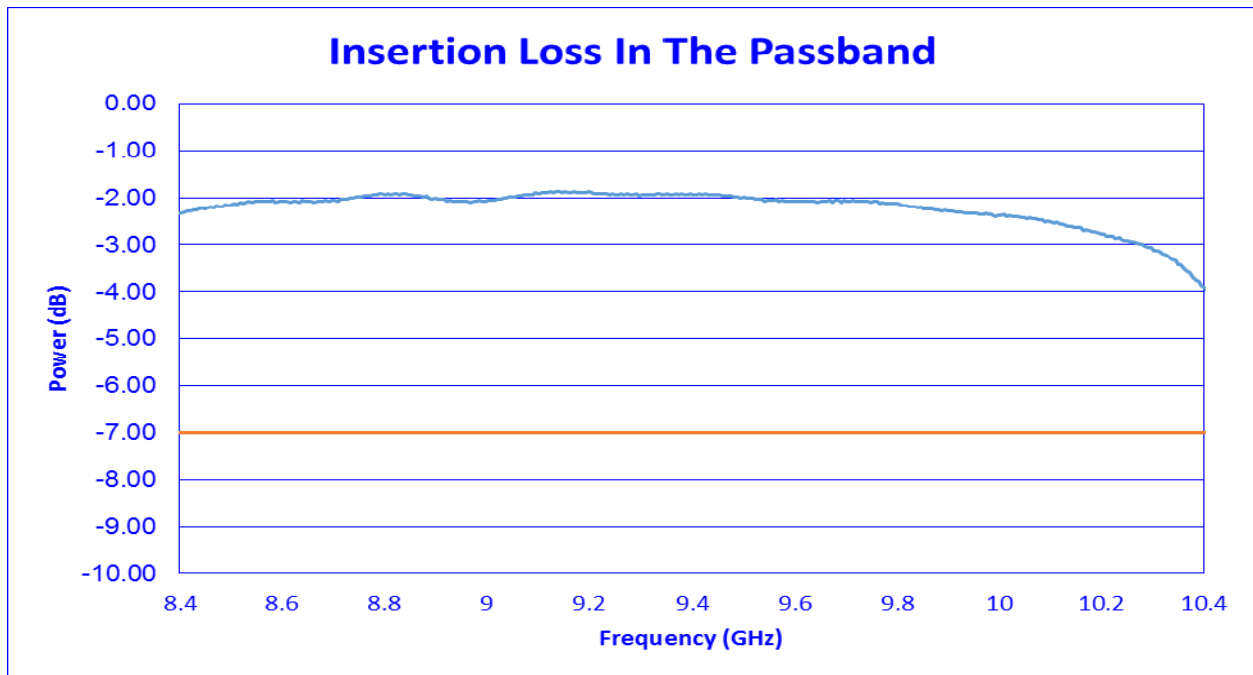


Typical Characteristics on BPF-9400-2000-35-SFF-HY





Typical Characteristics on BPF-9400-2000-35-SFF-HY





Typical Characteristics on BPF-9400-2000-35-SFF-HY

