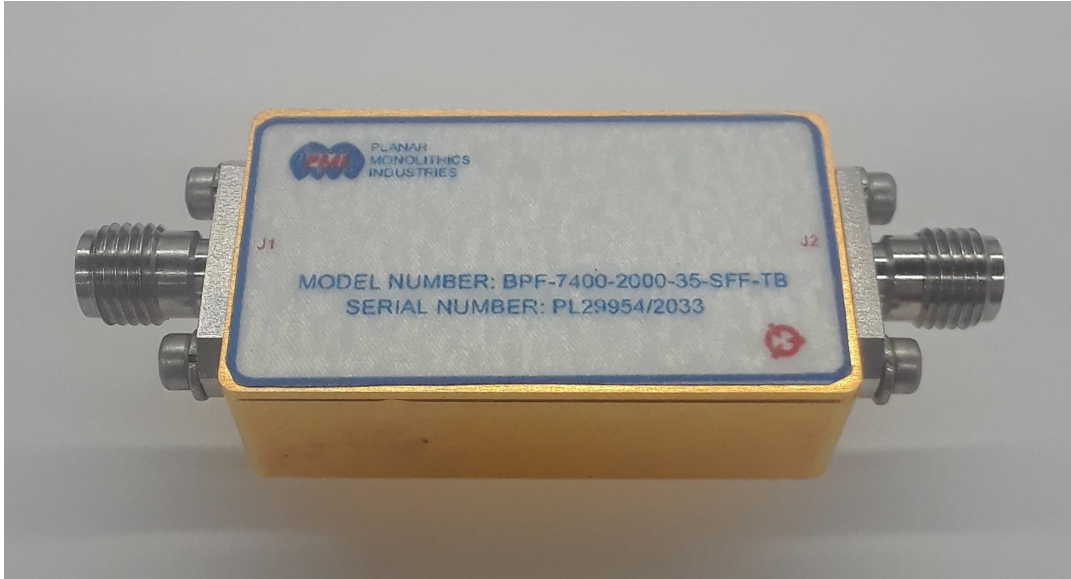




**Typical Characteristics
on
BPF-7400-2000-35-SFF-TB**

PLANAR MONOLITHICS INDUSTRIES MODEL NUMBER BPF-7400-2000-35-SFF-TB IS A BANDPASS FILTER. THE PASSBAND IS FROM 6400 TO 8400 MHz MINIMUM AND THE FILTER HAS THE FOLLOWING SPECIFICATIONS.



**Tested By: E. Kretz
August 7, 2020**

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email: sales@pmi-rf.com



**Typical Characteristics
on
BPF-7400-2000-35-SFF-TB**

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Typical Characteristics on BPF-7400-2000-35-SFF-TB

OUTLINE DRAWING

REV	DESCRIPTION	DATE	APPROVED
A1	ORIGINAL RELEASE	08/20/09	

DESCRIPTION:
 PLANAR MONOLITHICS INDUSTRIES MODEL NUMBER BPF-7400-2000-35-SFF-TB IS A BANDPASS FILTER. THE PASSBAND IS FROM 6400 TO 8400 MHz MINIMUM AND THE FILTER HAS THE FOLLOWING SPECIFICATIONS.

SPECIFICATIONS:

- PASSBAND FREQUENCY RANGE:.....6400 TO 8400 MHz MINIMUM
- -3 dB BANDWIDTH:.....2000 MHz MINIMUM
- -1 dB PASSBAND INSERTION LOSS:.....5.5 dB MAXIMUM
- PASSBAND VSWR:.....2.0:1 MAXIMUM OVER 90% OF PASSBAND
- REJECTION:.....-35 dBc MINIMUM 100 - 8000 MHz
 -35 dBc MINIMUM 8800 - 12000 MHz

CONNECTORS:.....SMA FEMALE (FIELD REPLACEABLE)
SIZE:.....1.42" X 0.80" X 0.40"
FINISH:.....GOLD PLATED

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.

FIELD REPLACEABLE SMA (F) CONNECTORS 2 PLACES

4X Ø 0.070 ± 0.010
2-56 UNC ± 0.175

PMI CONFIDENTIAL AND PROPRIETARY

APPROVAL:	DATE:	FILE:
D. DURBIN	08/20/09	BPF-7400-2000-35-SFF-TB
DESIGNER:	DATE:	REV:
	05/02/09	1
DATE OF THIS REVISION:	DATE OF THIS REVISION:	DATE OF THIS REVISION:
08/20/09	08/20/09	08/20/09
BY:	BY:	BY:
D. DURBIN	D. DURBIN	D. DURBIN
SCALE: 2:1	SHEET 1 OF 1	

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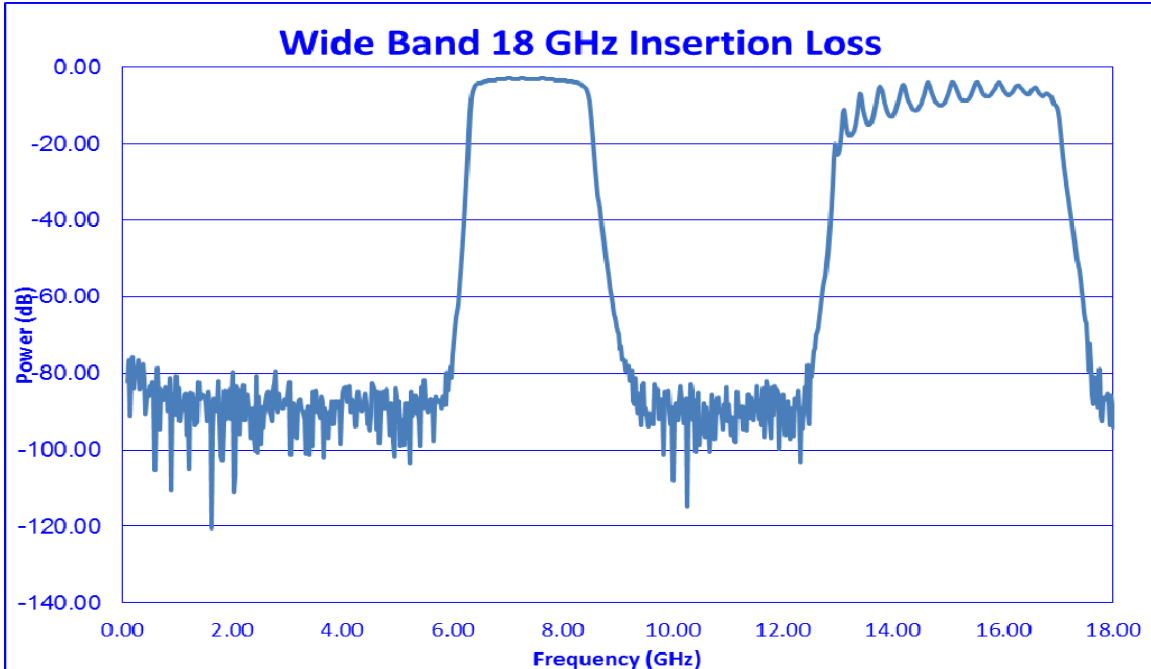
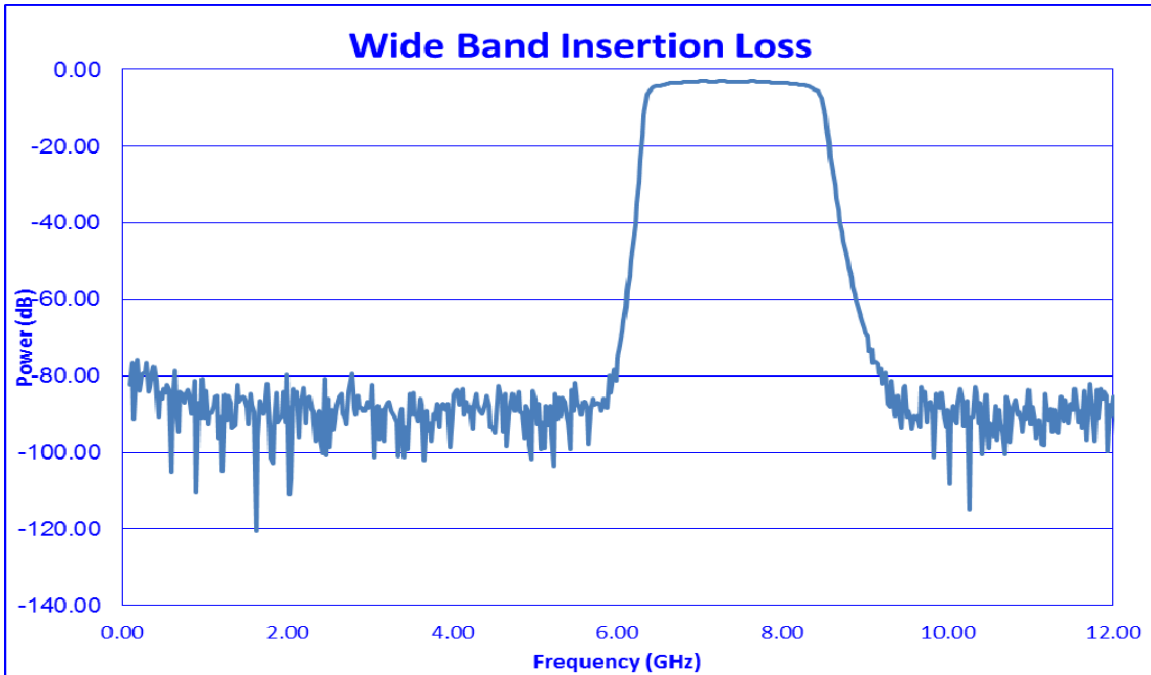
**Typical Characteristics
on
BPF-7400-2000-35-SFF-TB**

TEST DATA SUMMARY +23°C

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	Test Results	QA QC
1	Passband	6.4 To 8.4 GHz	6.4 To 8.4 GHz	
2	Passband Flatness	3 dB MAX	2.2 dB	
3	Rejection	-35 dBc MIN 0.1 - 6.0 GHz -35 dBc MIN 6.8 - 12.0 GHz	-70.23 @ 0.1 - 6.0 GHz -47.02 @ 8.8 - 12.0 GHz	
4	Passband VSWR:	2.0:1 MAX	1.62:1	
5	Insertion Loss (1 dB PASSBAND):	5.5 dB MAX	3.87 dB	



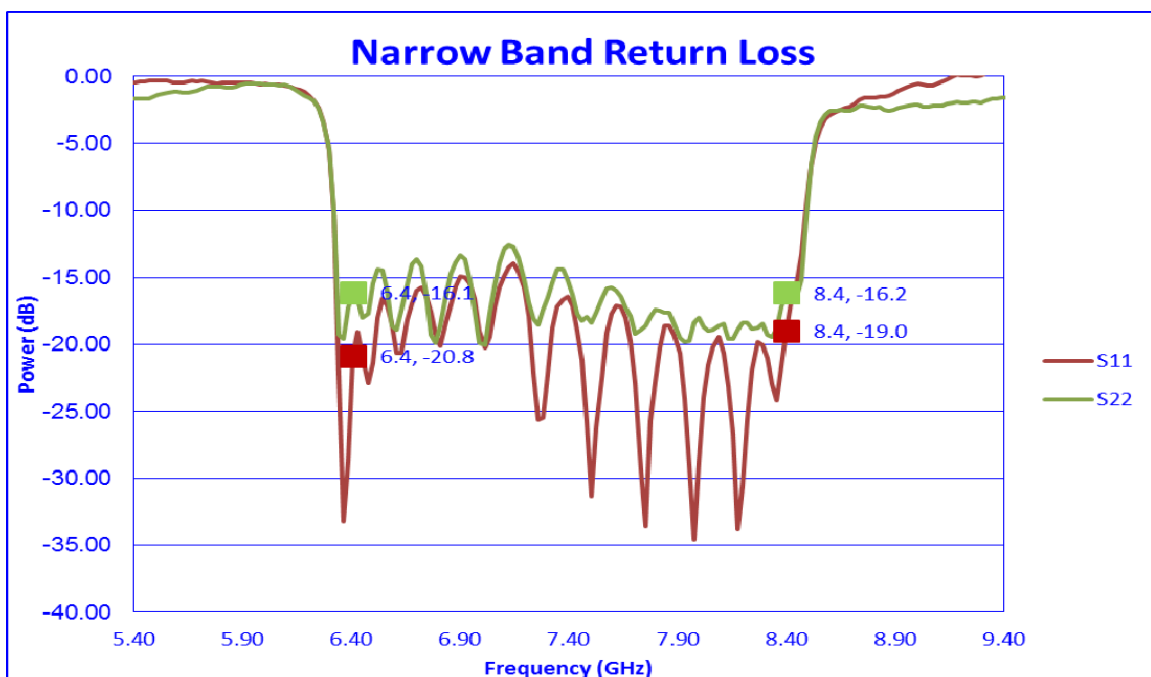
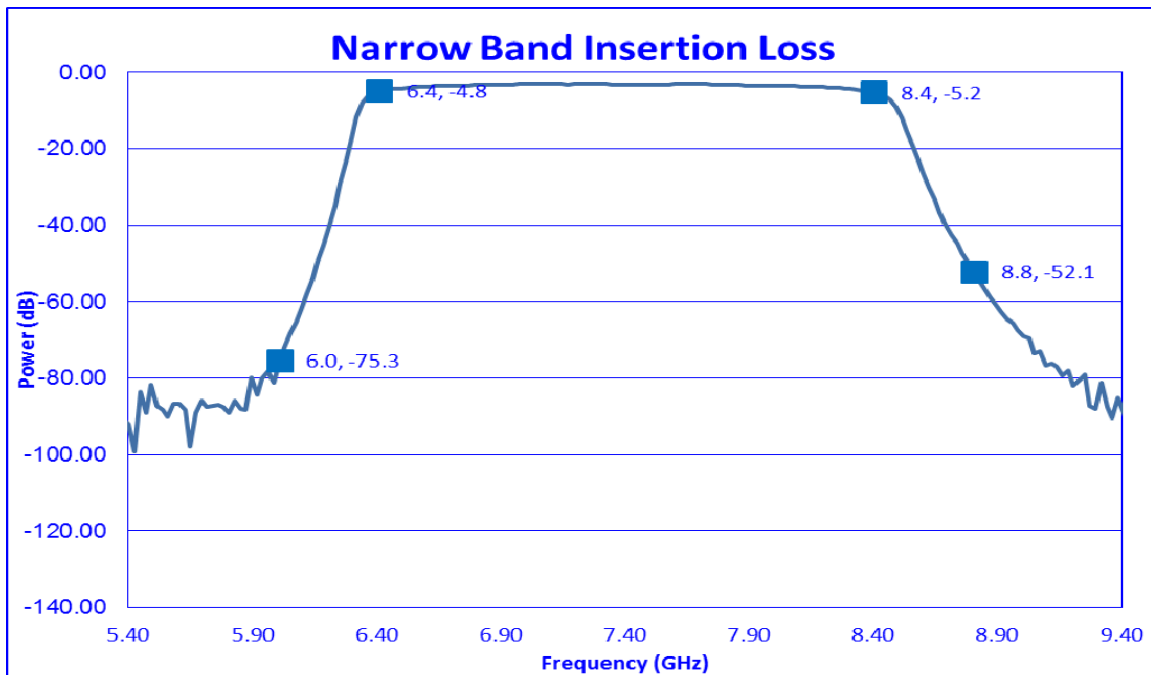
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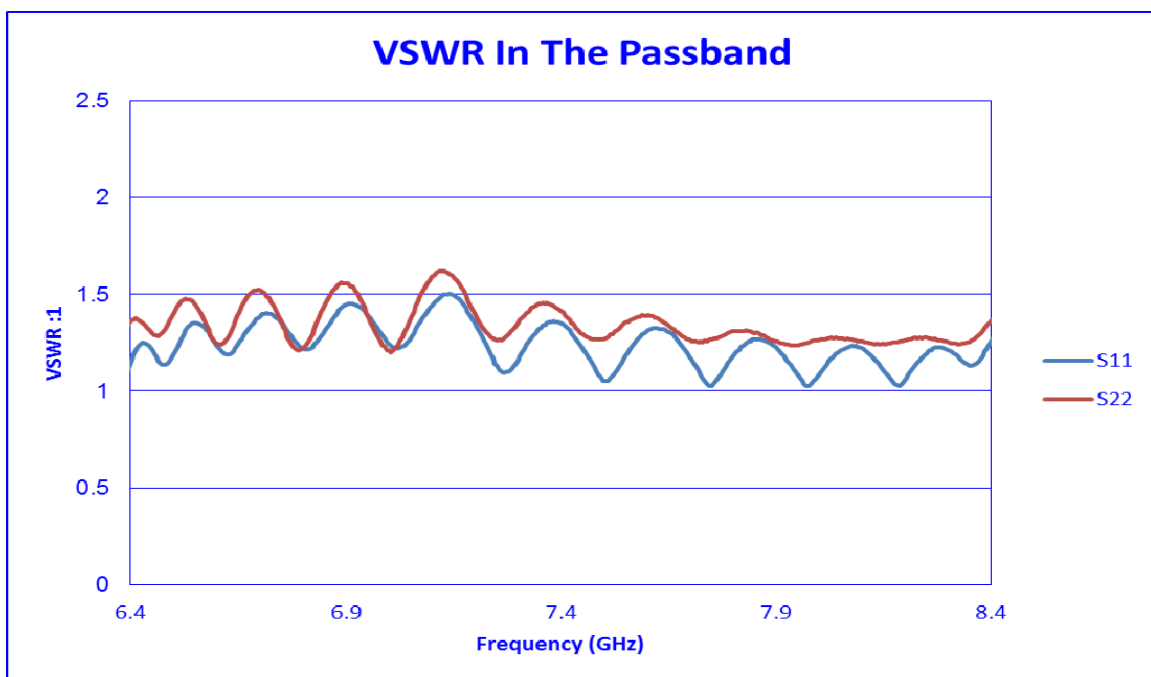
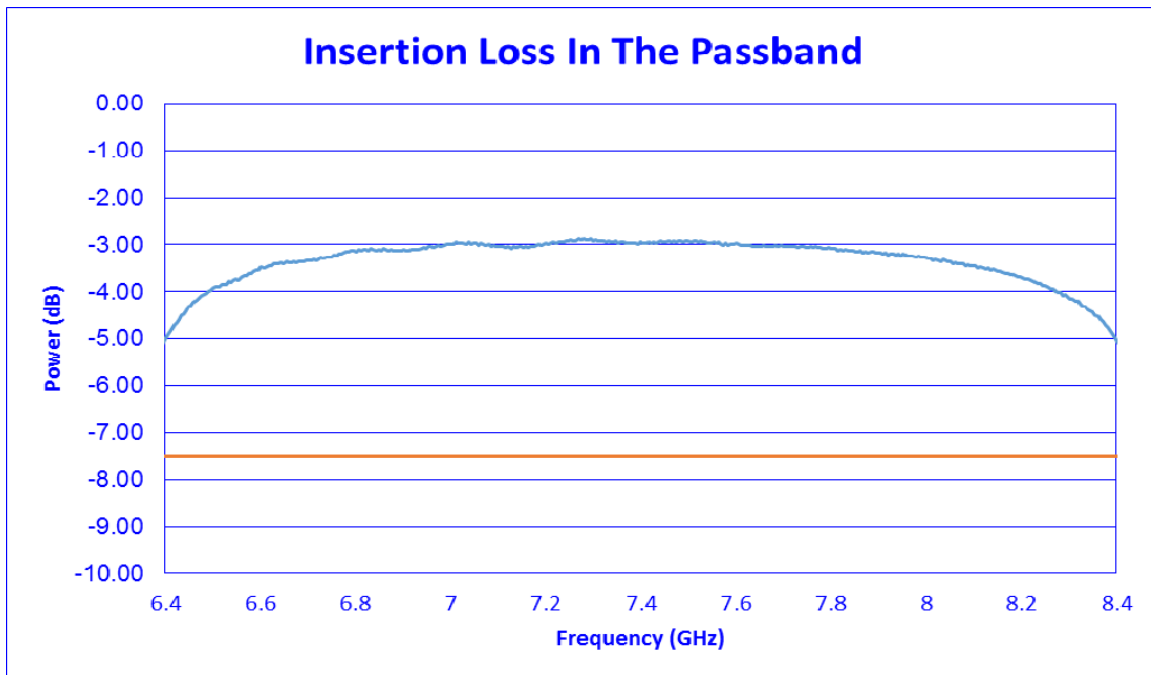


Typical Characteristics on BPF-7400-2000-35-SFF-TB



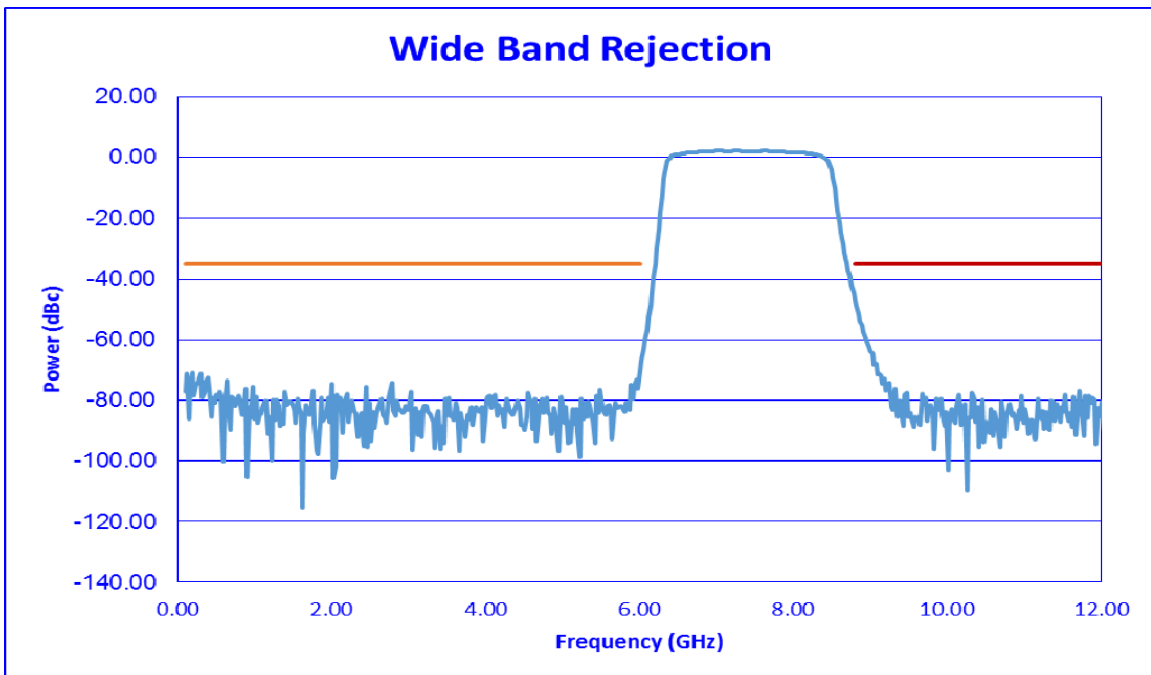
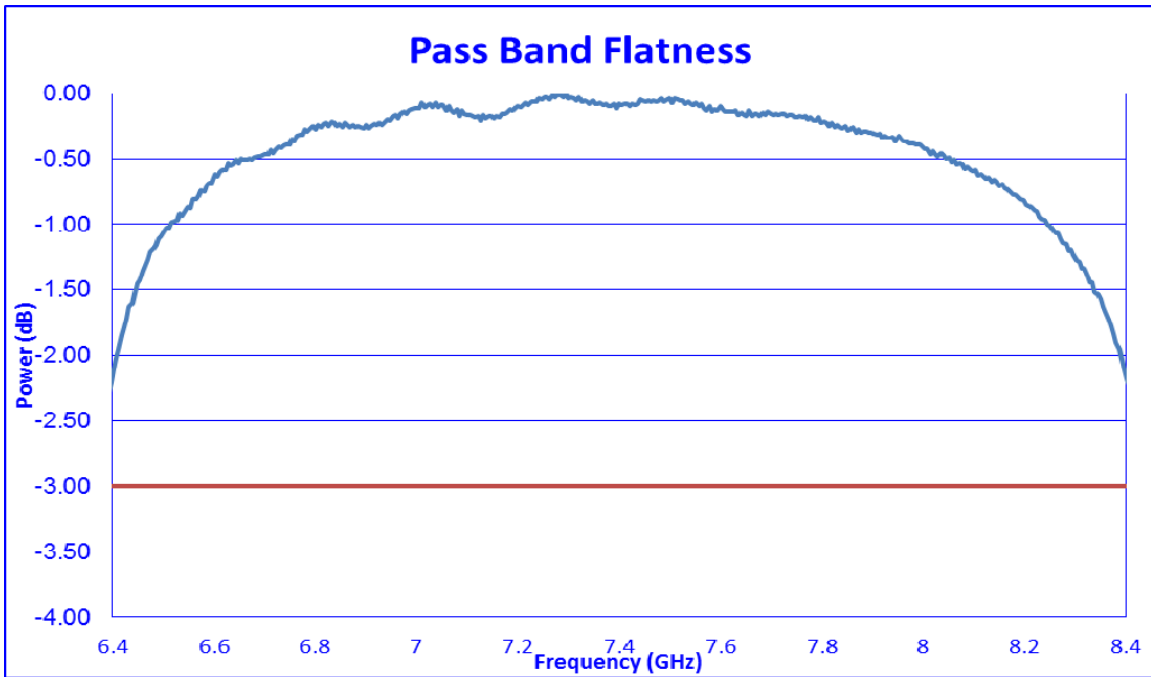


Typical Characteristics on BPF-7400-2000-35-SFF-TB





Typical Characteristics on BPF-7400-2000-35-SFF-TB





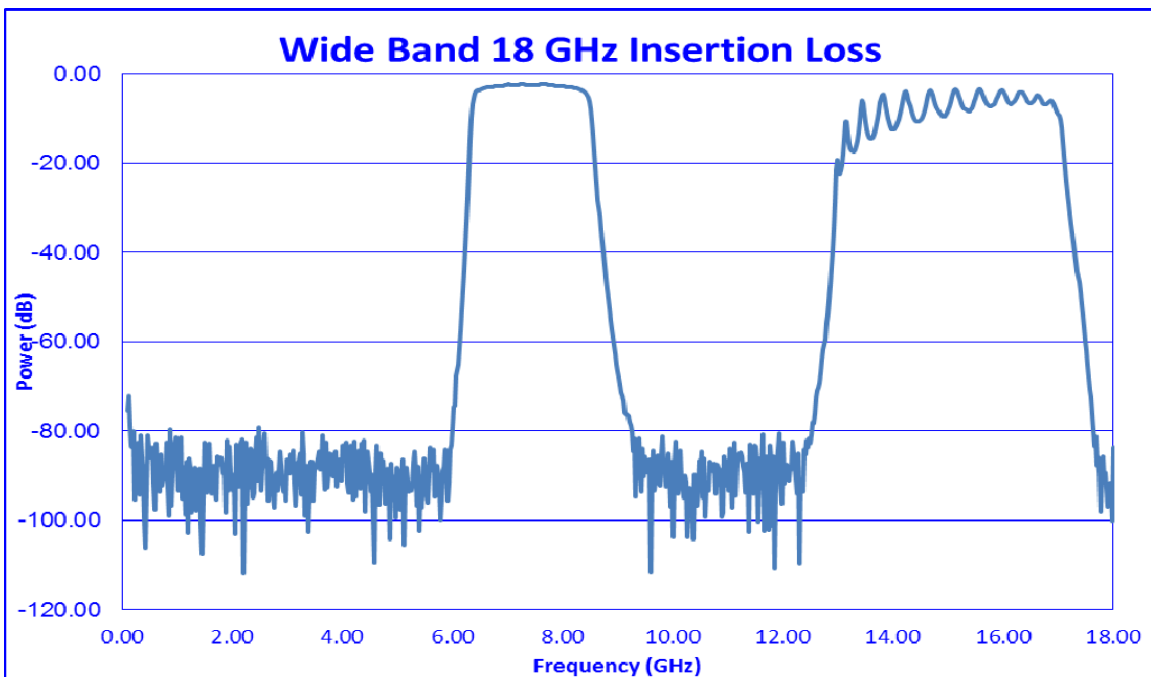
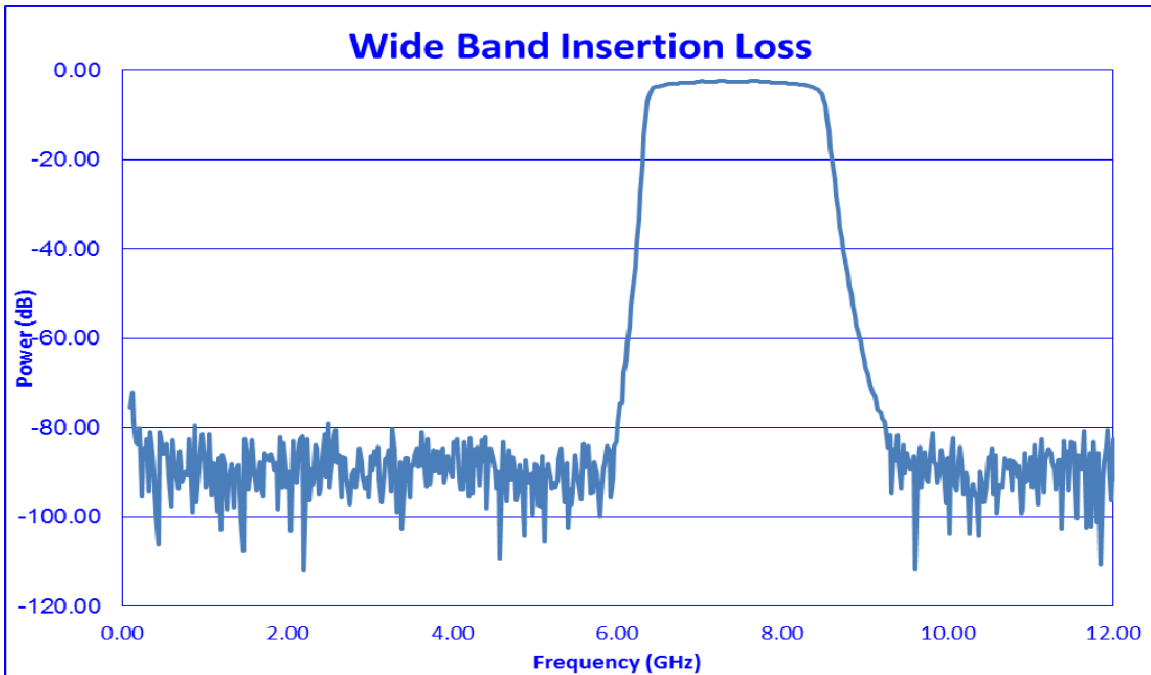
Typical Characteristics
on
BPF-7400-2000-35-SFF-TB

TEST DATA SUMMARY -40°C

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	Test Results	QA QC
1	Passband	6.4 To 8.4 GHz	6.4 To 8.4 GHz	
2	Passband Flatness	3 dB MAX	2.36 dB	
3	Rejection	-35 dBc MIN 0.1 - 6.0 GHz -35 dBc MIN 6.8 - 12.0 GHz	-67.46 @ 0.1 - 6.0 GHz -43.5 @ 8.8 - 12.0 GHz	
4	Passband VSWR:	2.0:1 MAX	1.57:1	
5	Insertion Loss (1 dB PASSBAND):	5.5 dB MAX	3.23 dB	



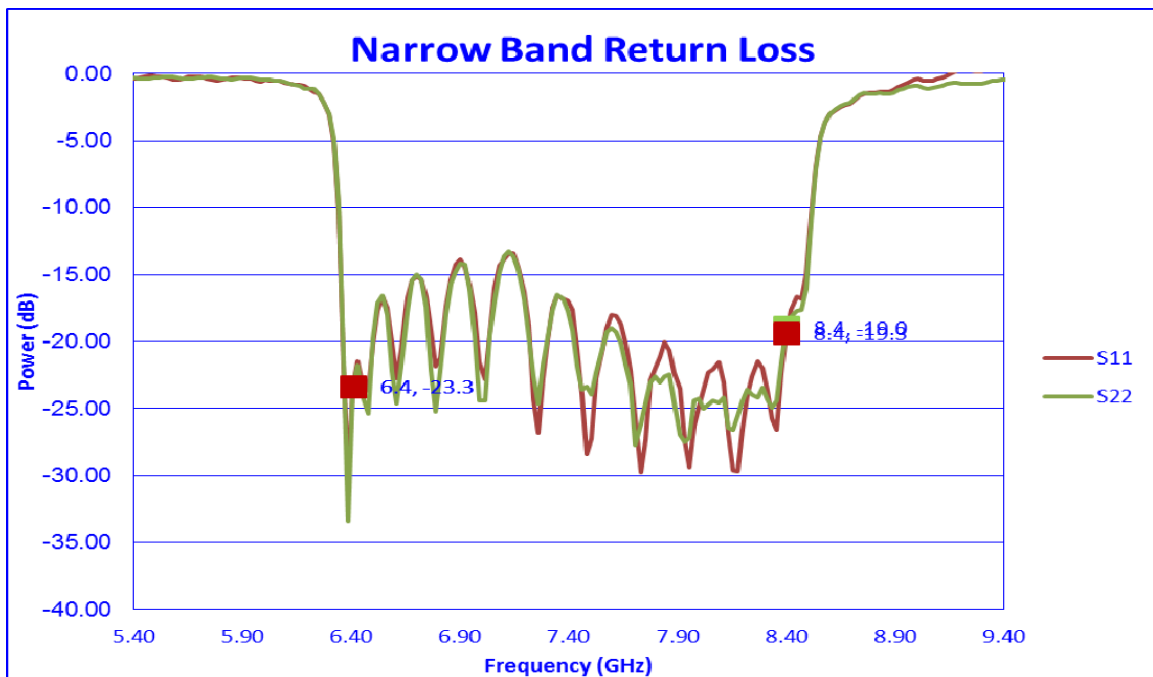
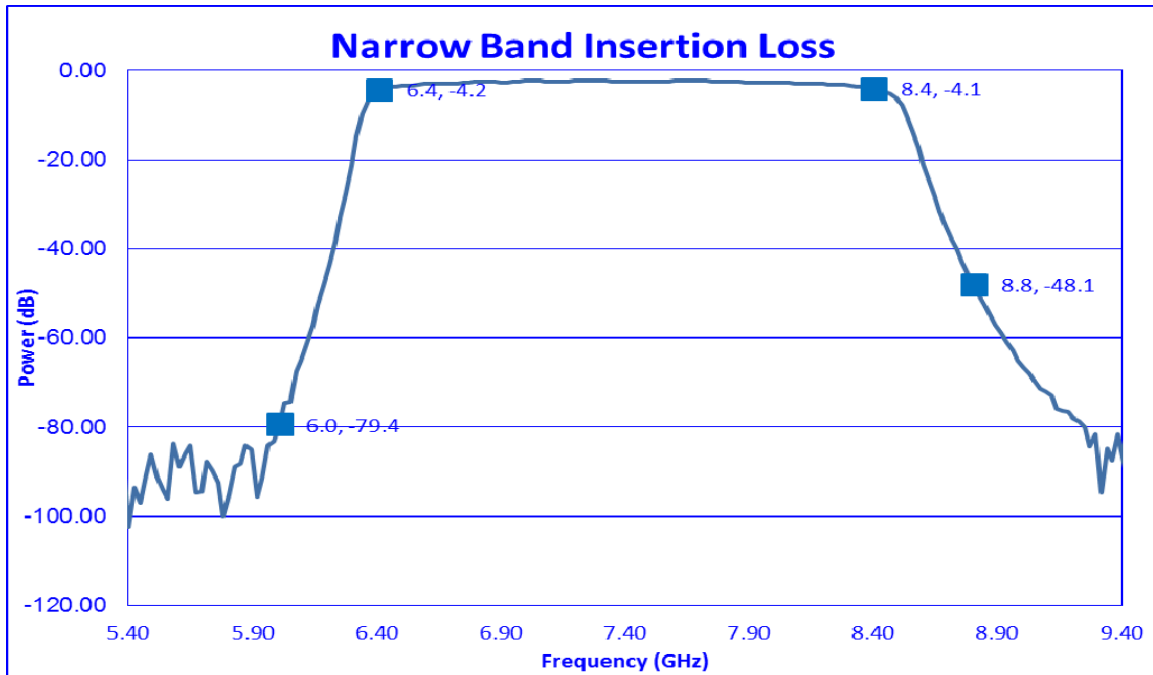
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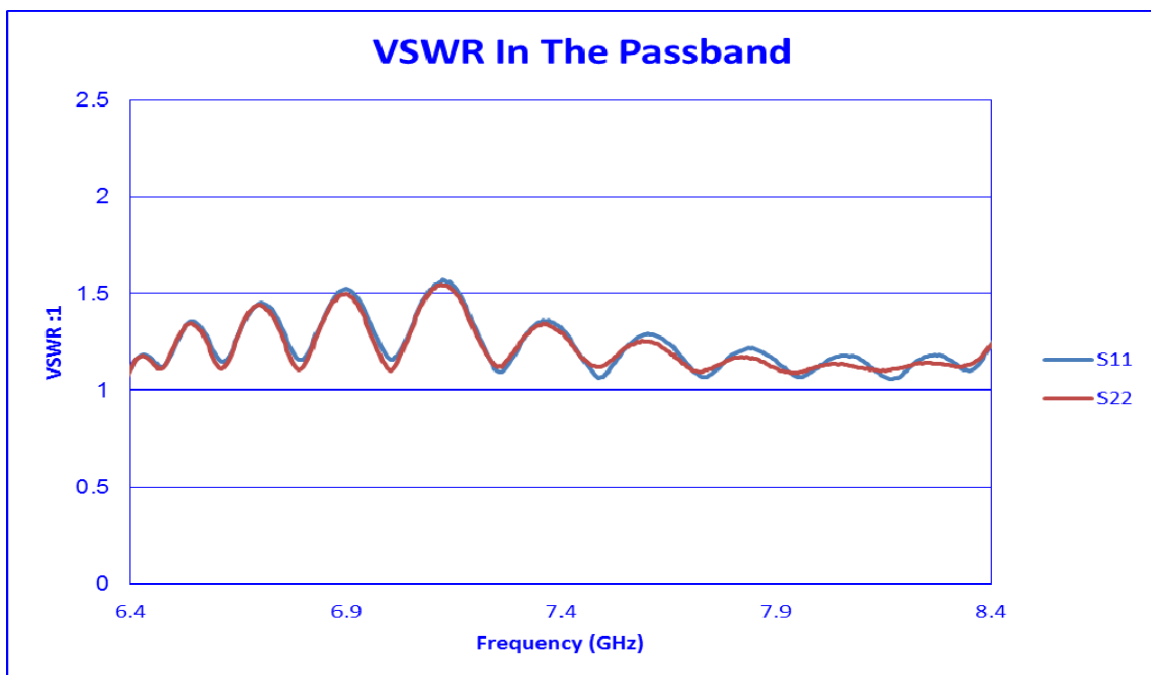
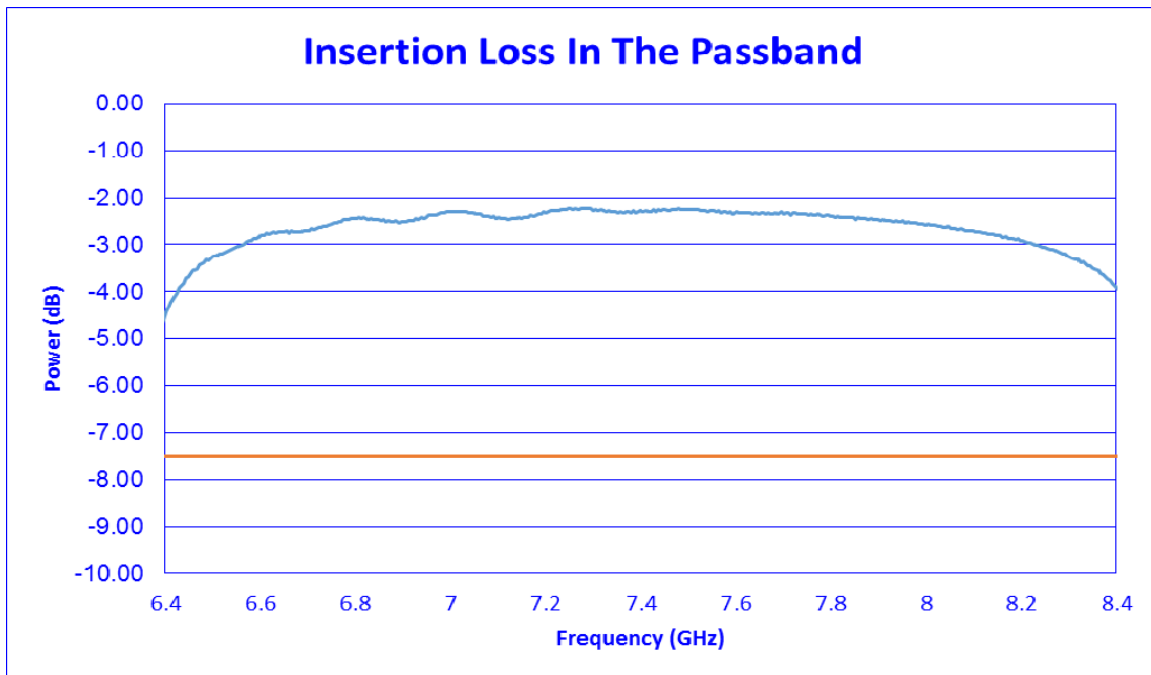


Typical Characteristics on BPF-7400-2000-35-SFF-TB



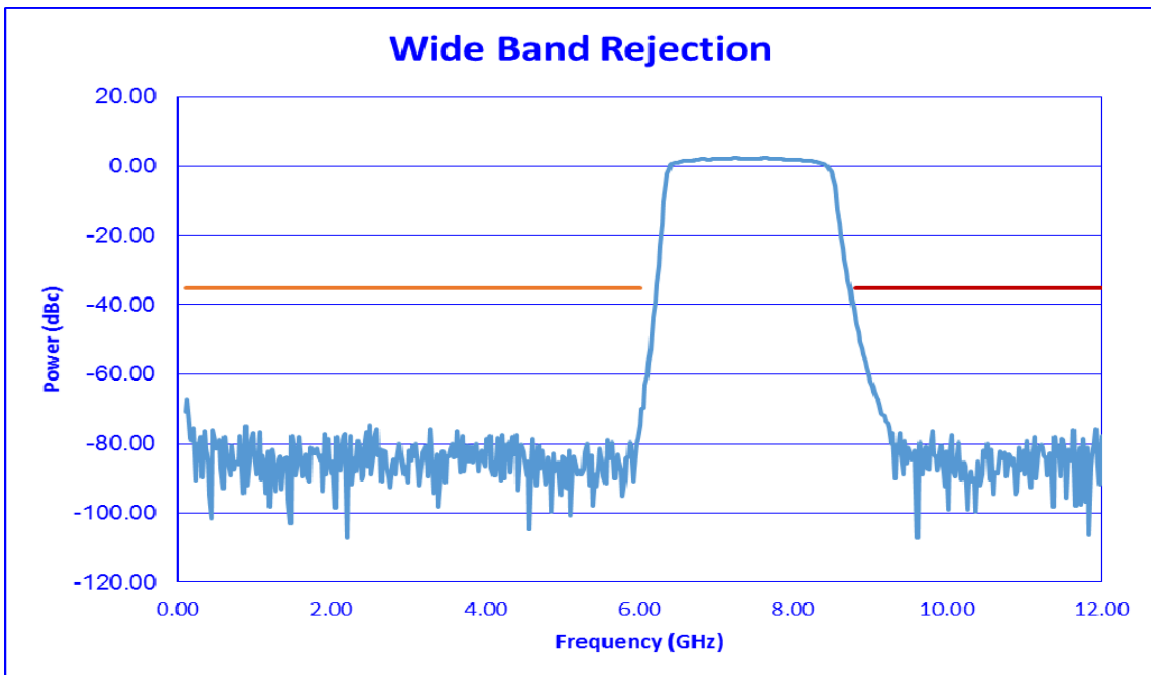
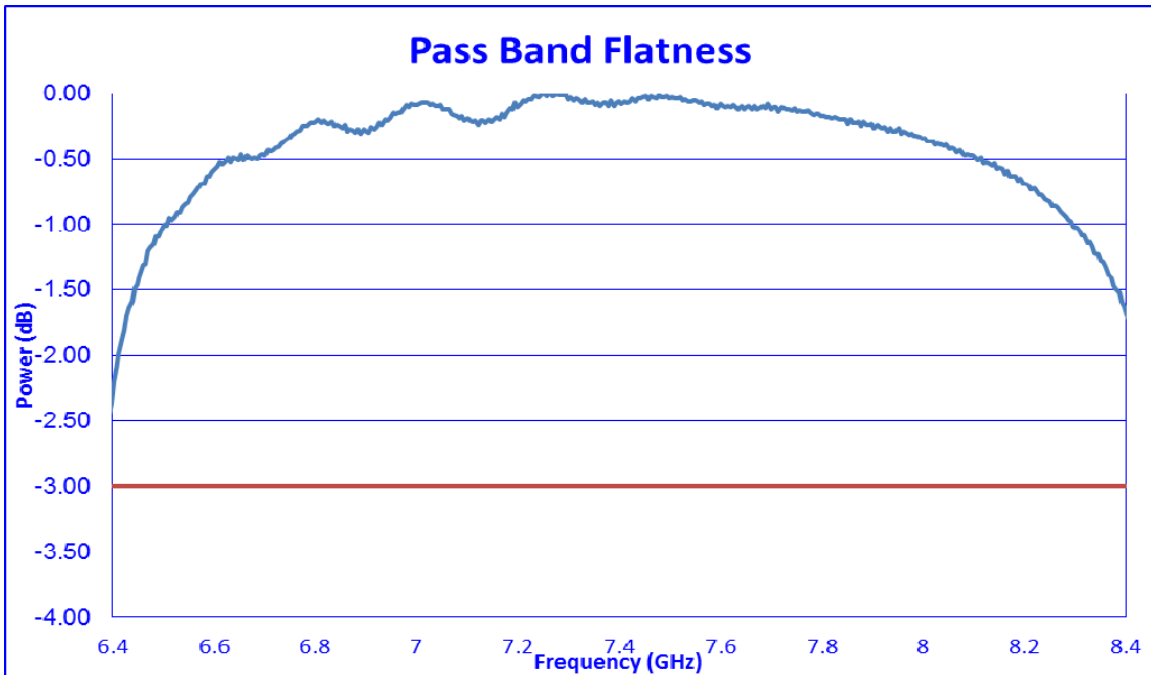


Typical Characteristics on BPF-7400-2000-35-SFF-TB





Typical Characteristics on BPF-7400-2000-35-SFF-TB





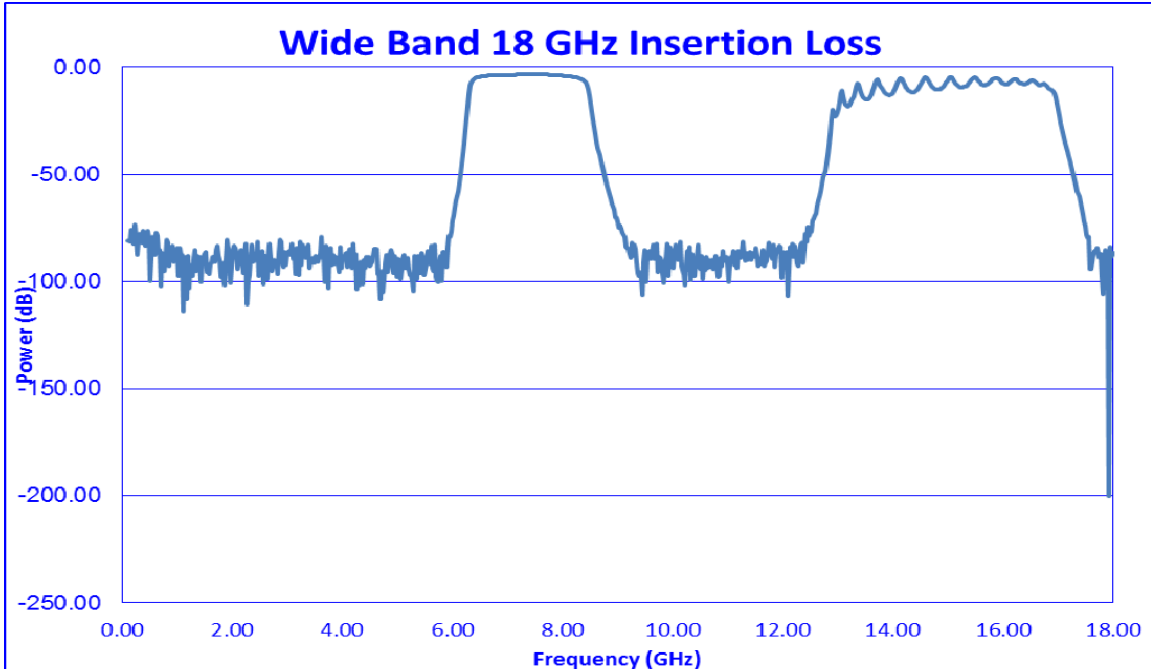
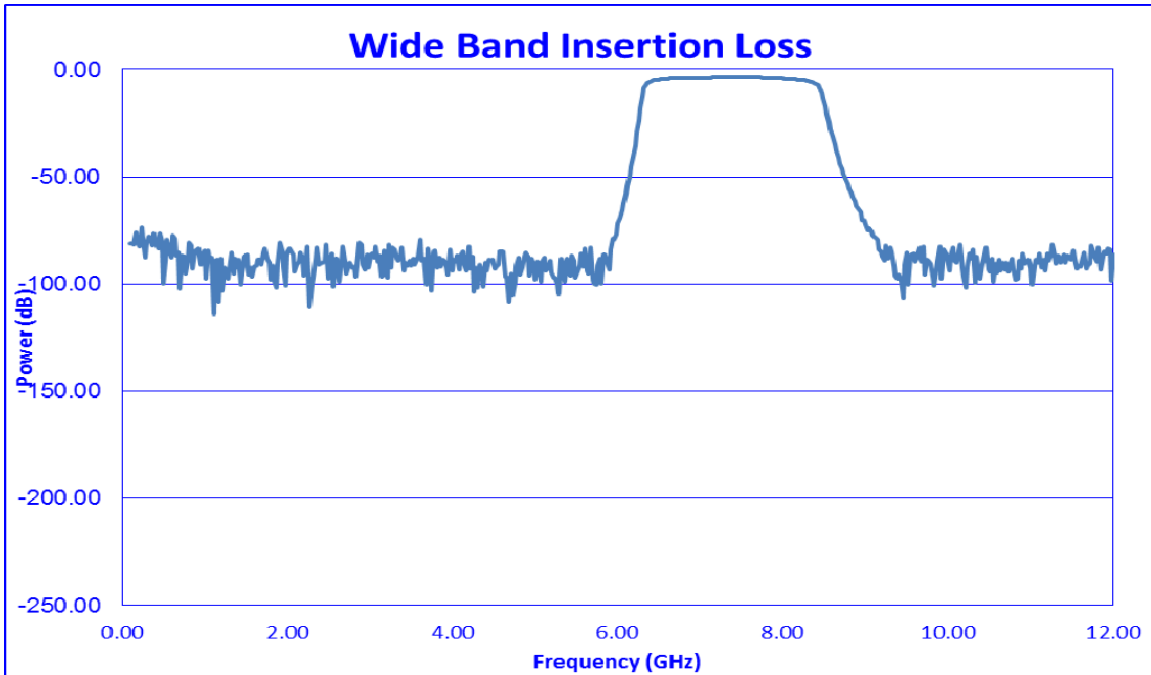
Typical Characteristics
on
BPF-7400-2000-35-SFF-TB

TEST DATA SUMMARY +85°C

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	Test Results	QA QC
1	Passband	6.4 To 8.4 GHz	6.4 To 8.4 GHz	
2	Passband Flatness	3 dB MAX	2.99 dB	
3	Rejection	-35 dBc MIN 0.1 - 6.0 GHz -35 dBc MIN 6.8 - 12.0 GHz	-65.43 @ 0.1 - 6.0 GHz -49.12 @ 8.8 - 12.0 GHz	
4	Passband VSWR:	2.0:1 MAX	1.65:1	
5	Insertion Loss (1 dB PASSBAND):	5.5 dB MAX	4.32 dB	

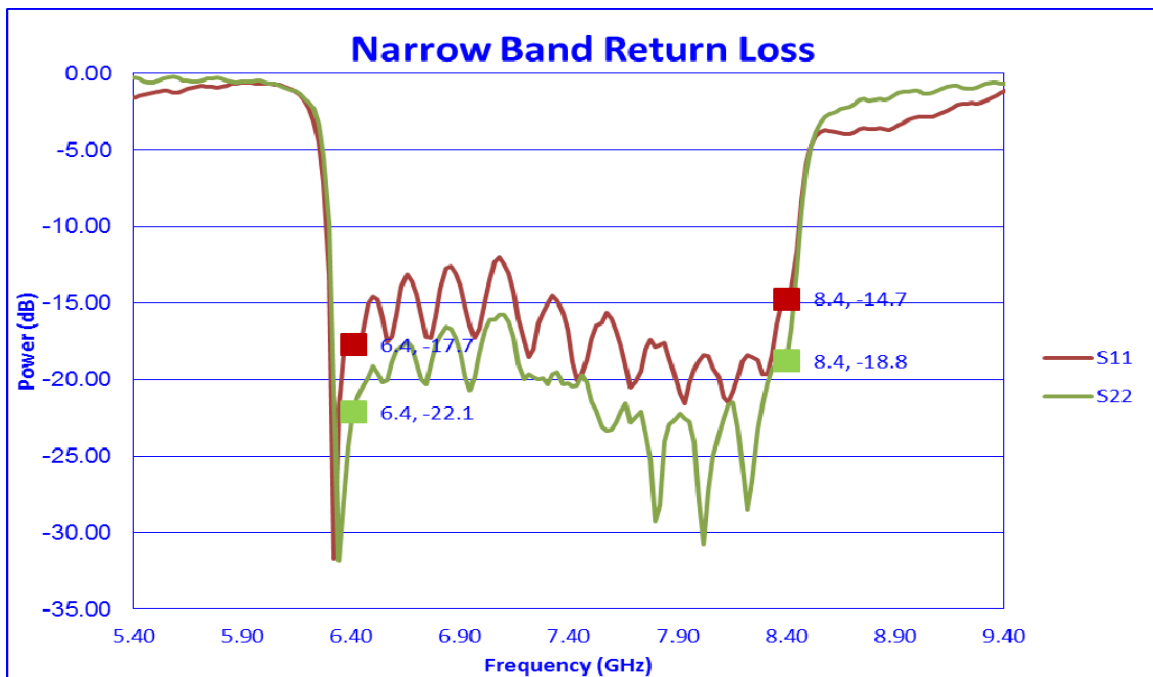
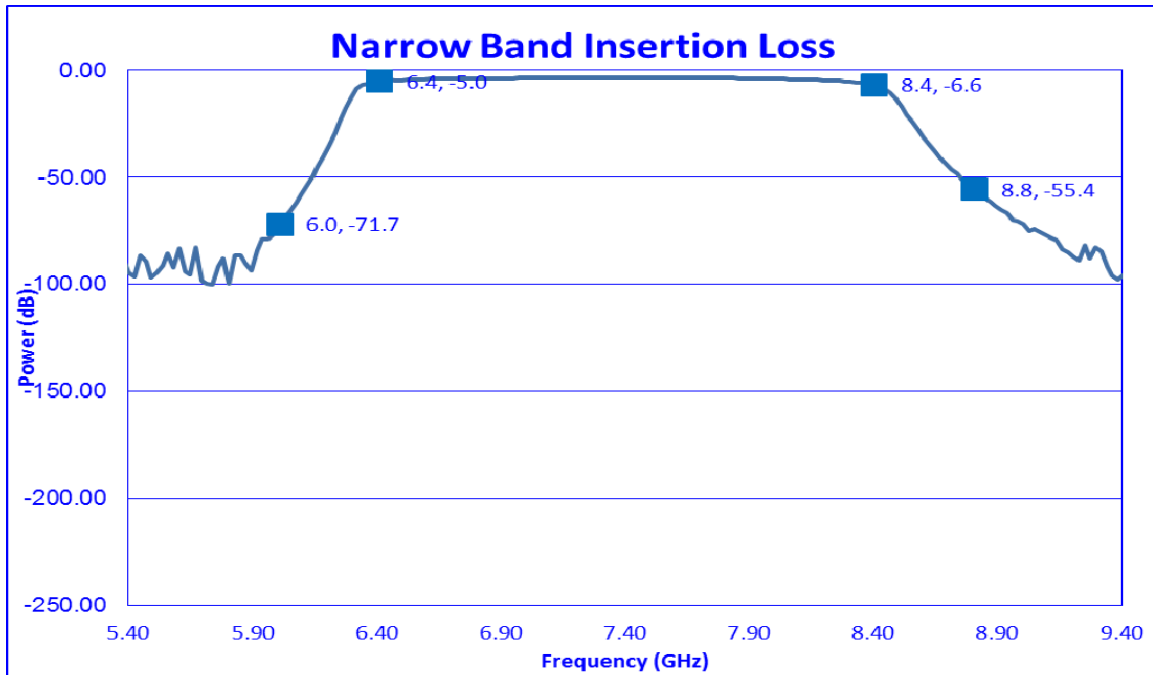


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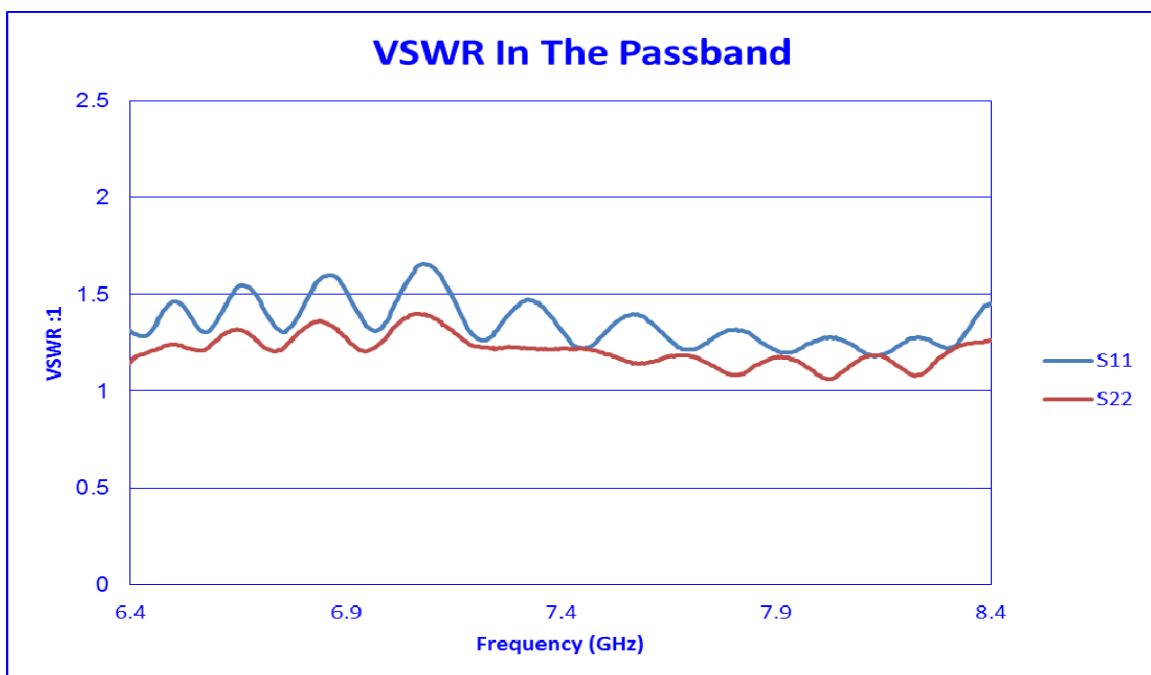
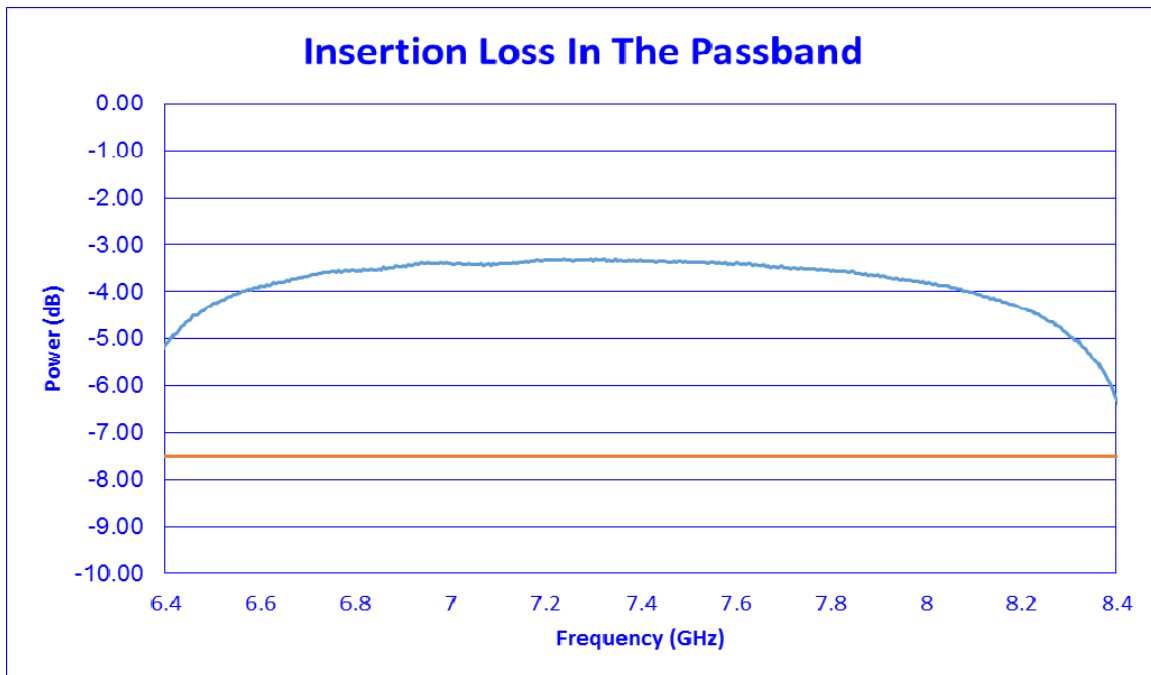


Typical Characteristics on BPF-7400-2000-35-SFF-TB





Typical Characteristics on BPF-7400-2000-35-SFF-TB





Typical Characteristics on BPF-7400-2000-35-SFF-TB

