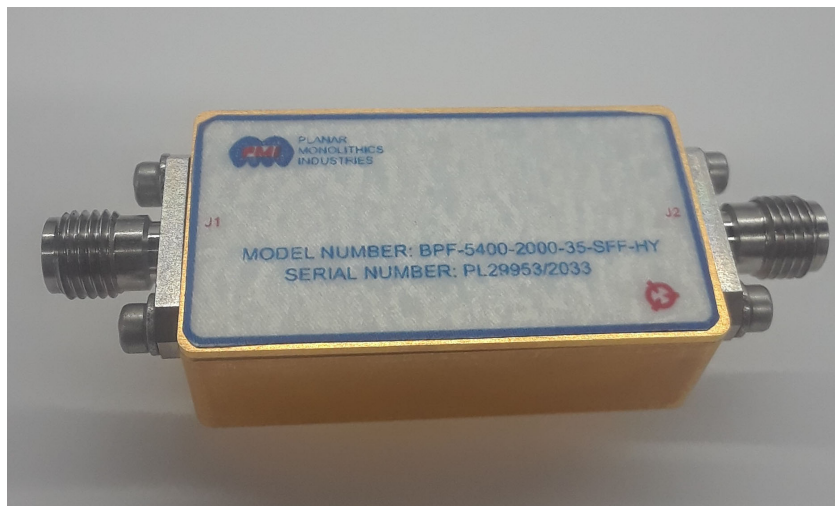




Typical Characteristics on BPF-5400-2000-35-SFF-HY

PLANAR MONOLITHICS INDUSTRIES MODEL NUMBER BPF-5400-2000-35-SFF-HY IS A BANDPASS FILTER. THE PASSBAND IS FROM 4400 TO 6400 MHz MINIMUM AND THE FILTER HAS THE FOLLOWING SPECIFICATIONS.



Tested By: E. Kretz
August 7, 2020



**Typical Characteristics
on
BPF-5400-2000-35-SFF-HY**

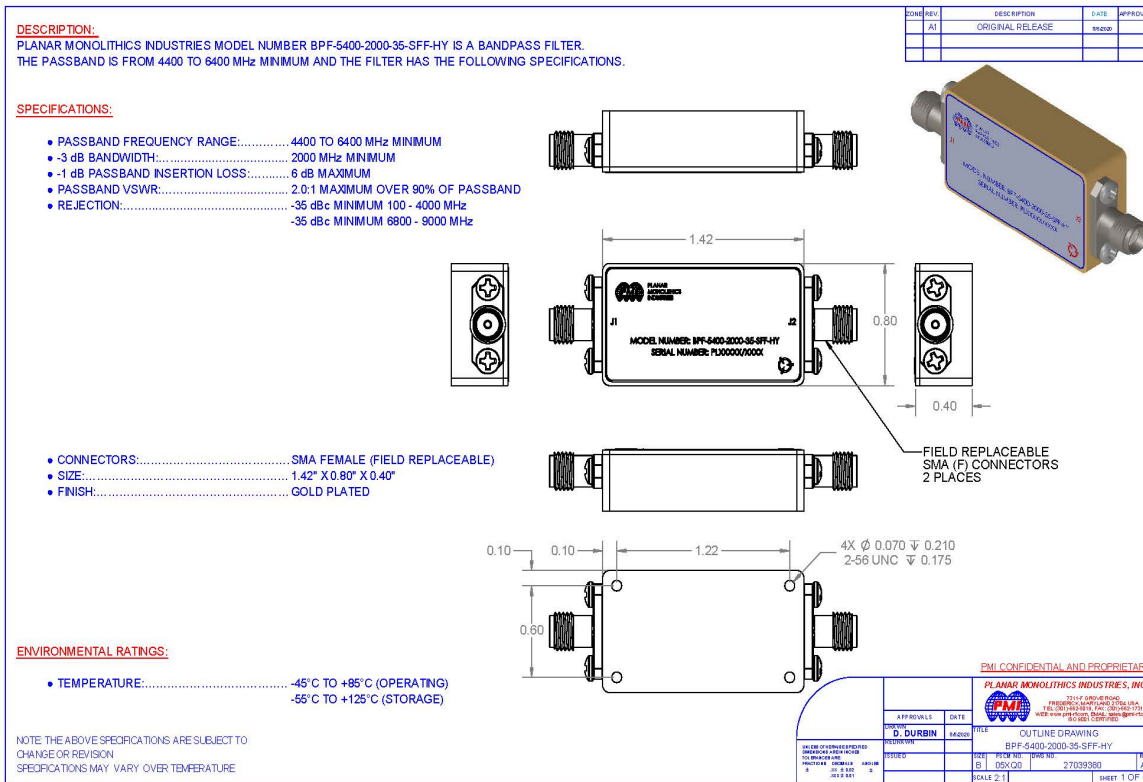
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Typical Characteristics on BPF-5400-2000-35-SFF-HY

OUTLINE DRAWING





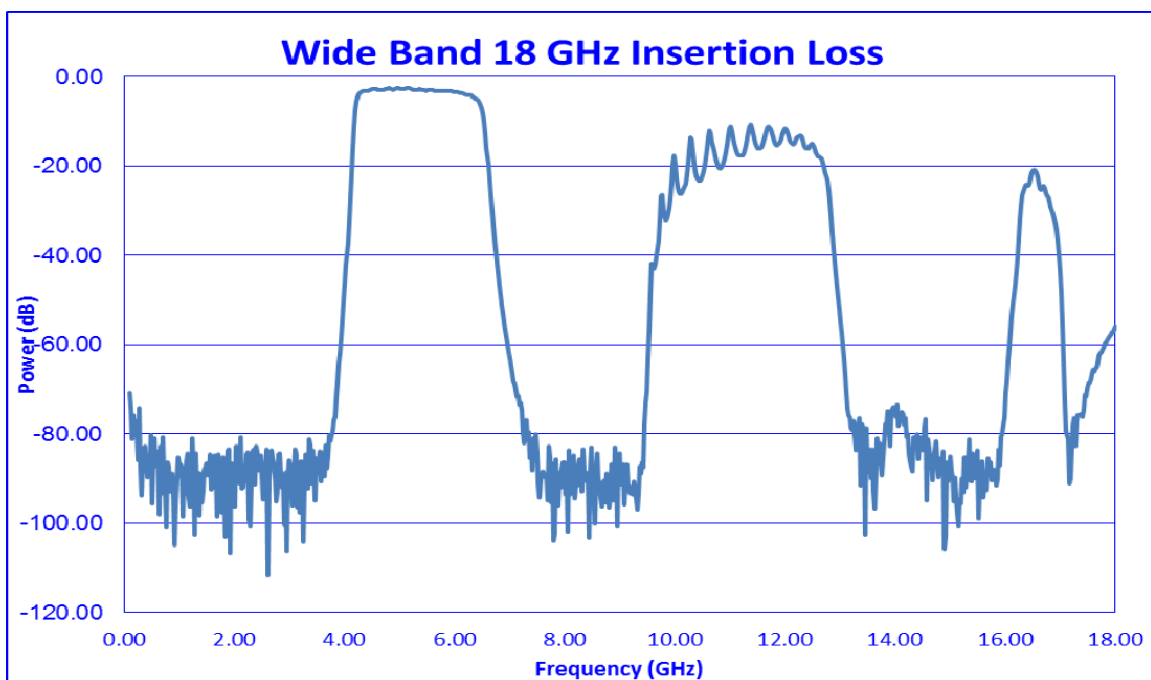
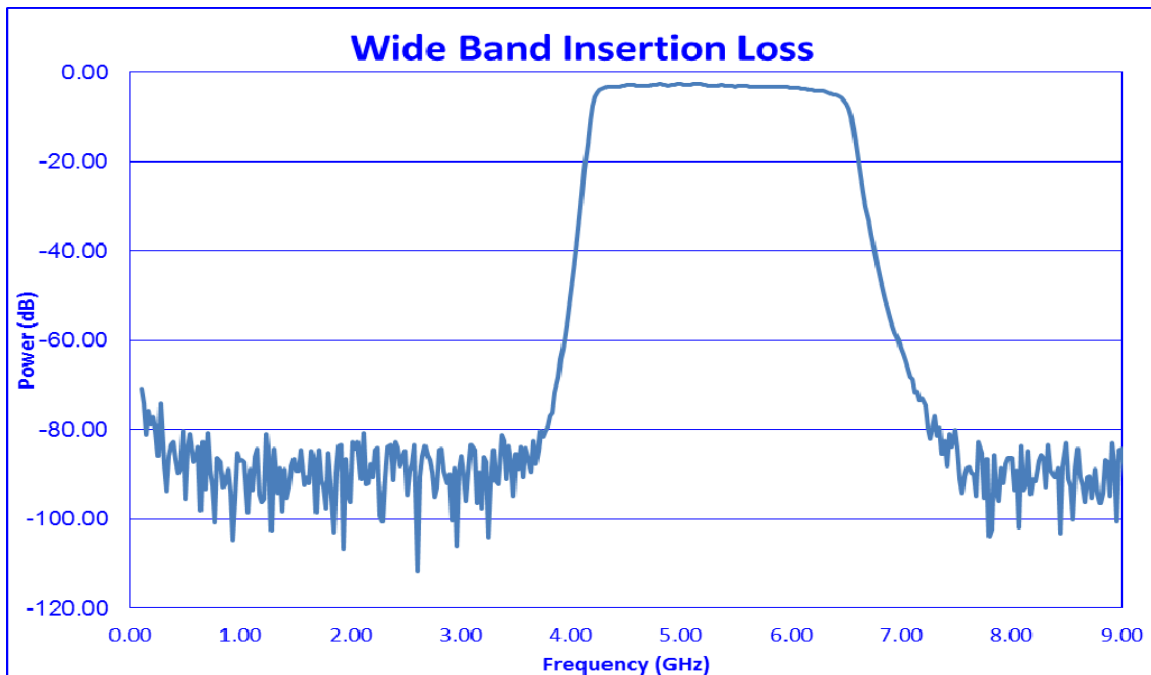
Typical Characteristics
on
BPF-5400-2000-35-SFF-HY

TEST DATA SUMMARY +23°C

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	Test Results	QA QC
1	Passband	4.4 To 6.4 GHz	4.4 To 6.4 GHz	
2	Passband Flatness	3 dB MAX	2.42 dB	
3	Rejection	-35 dBc MIN 0.1 - 4.0 GHz -35 dBc MIN 6.8 - 9.0 GHz	-41.46 @ 0.1 - 4.0 GHz -41.6 @ 6.8 - 9.0 GHz	
4	Passband VSWR:	2.0:1 MAX	1.41:1	
5	Insertion Loss (1 dB PASSBAND):	6 dB MAX	3.53 dB	

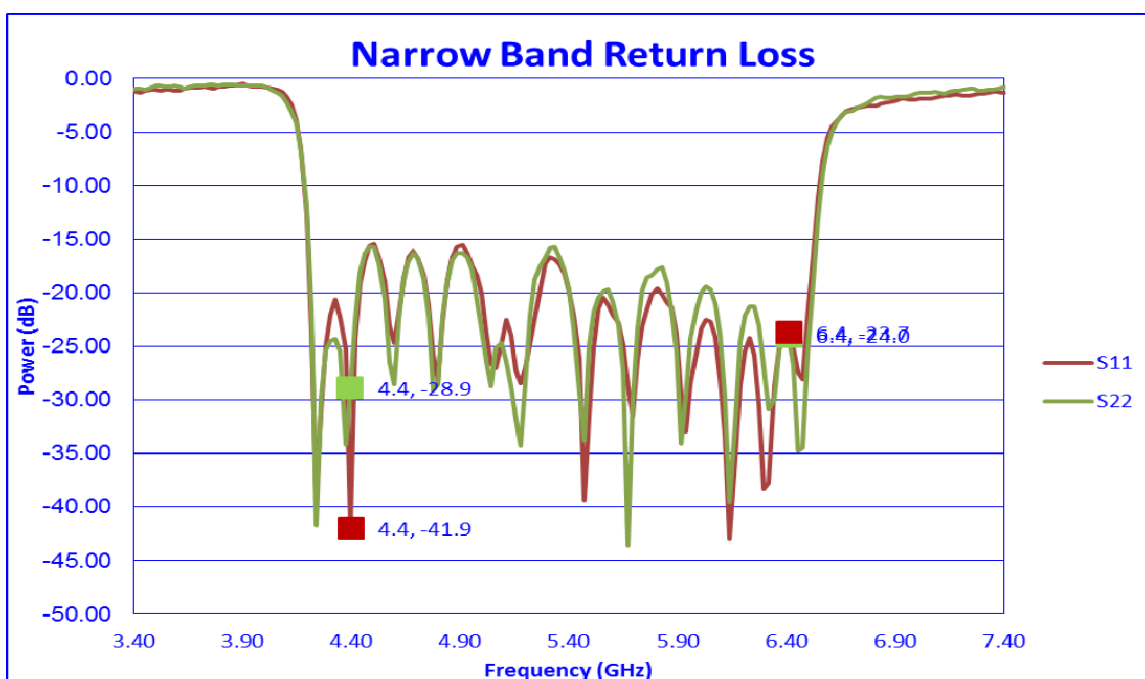
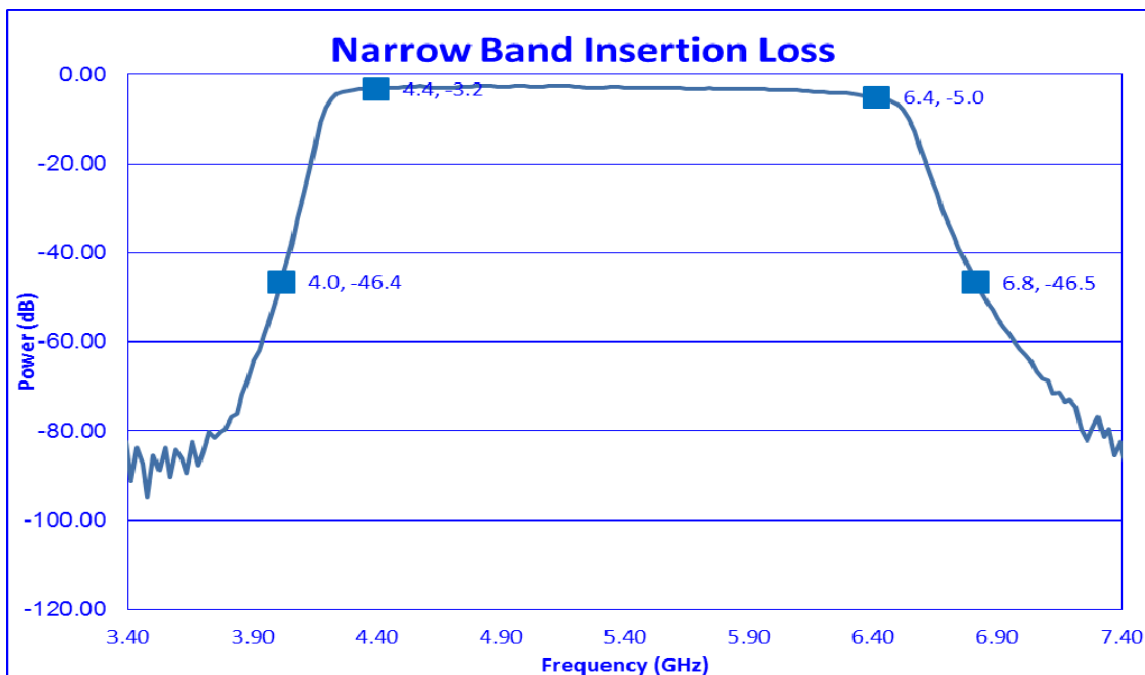


**Typical Characteristics
on
BPF-5400-2000-35-SFF-HY**





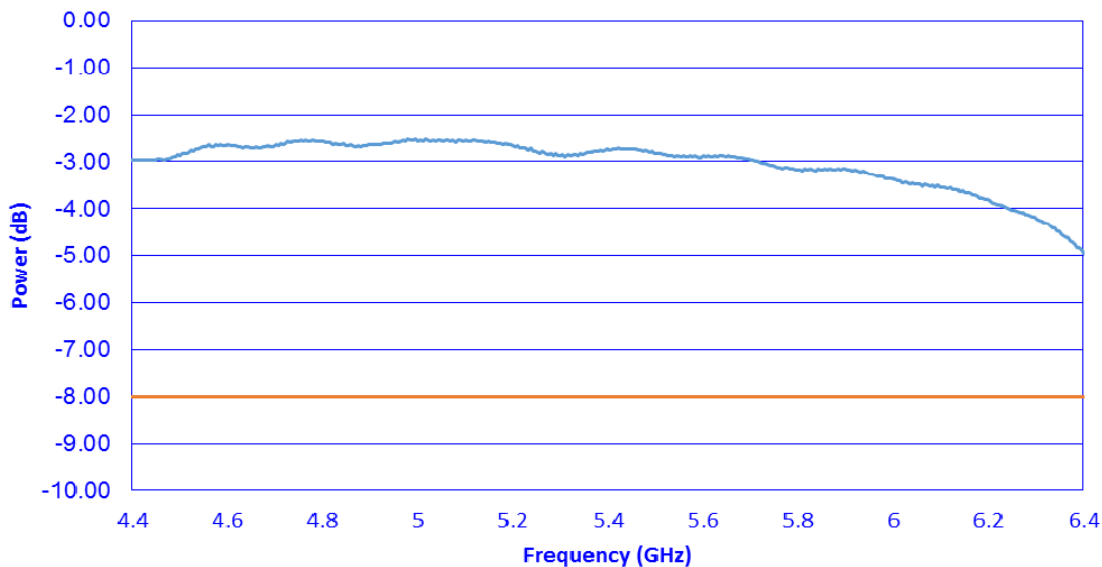
Typical Characteristics on BPF-5400-2000-35-SFF-HY



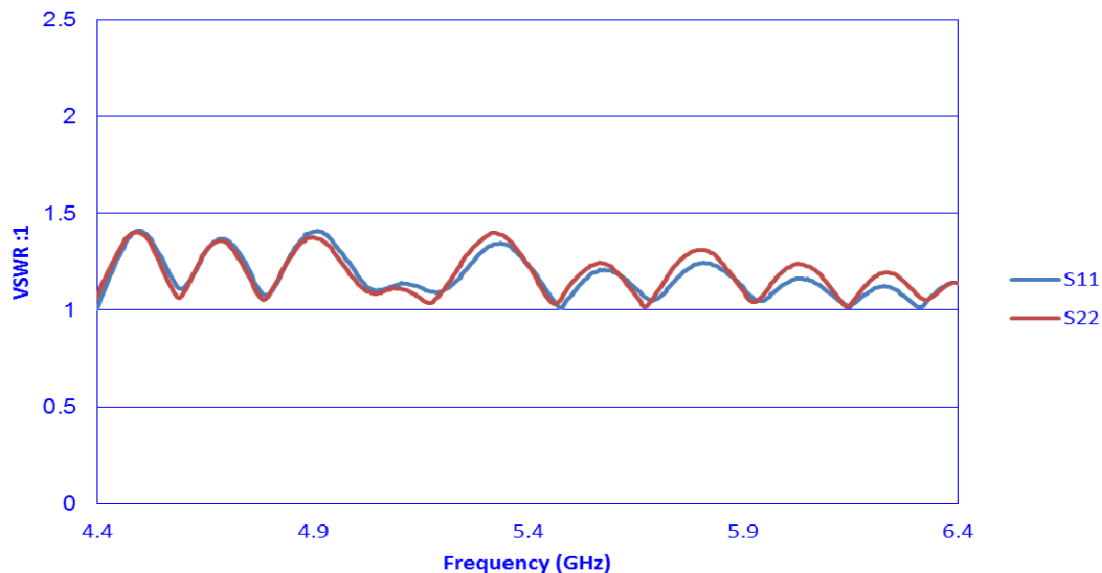


Typical Characteristics on BPF-5400-2000-35-SFF-HY

Insertion Loss In The Passband

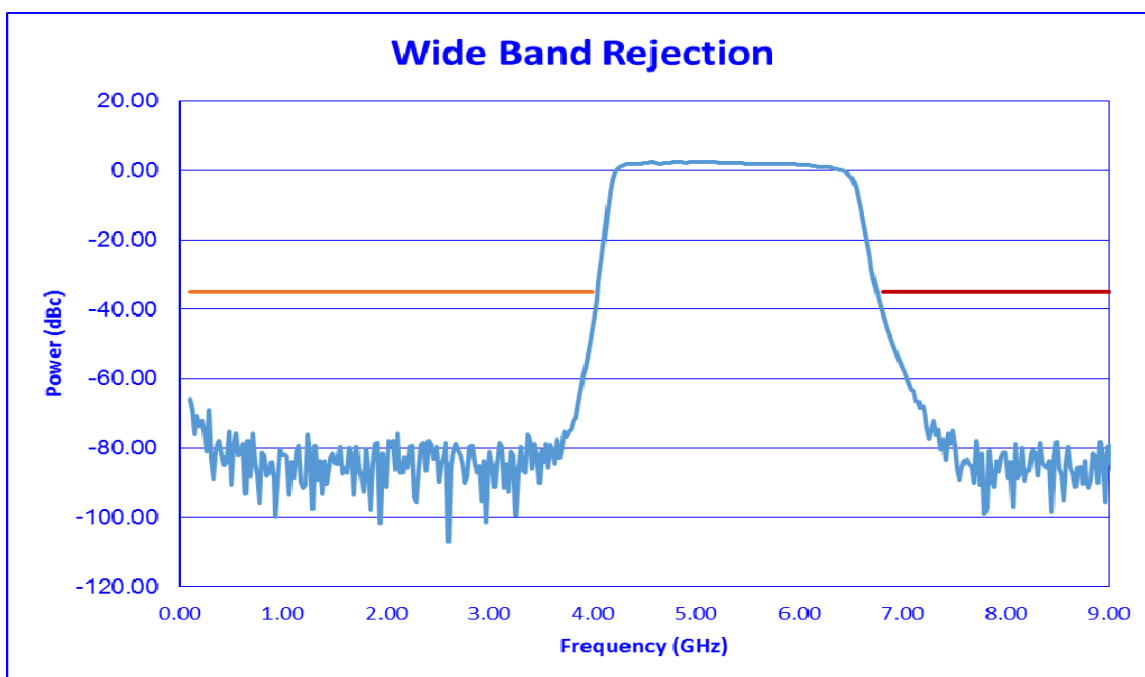
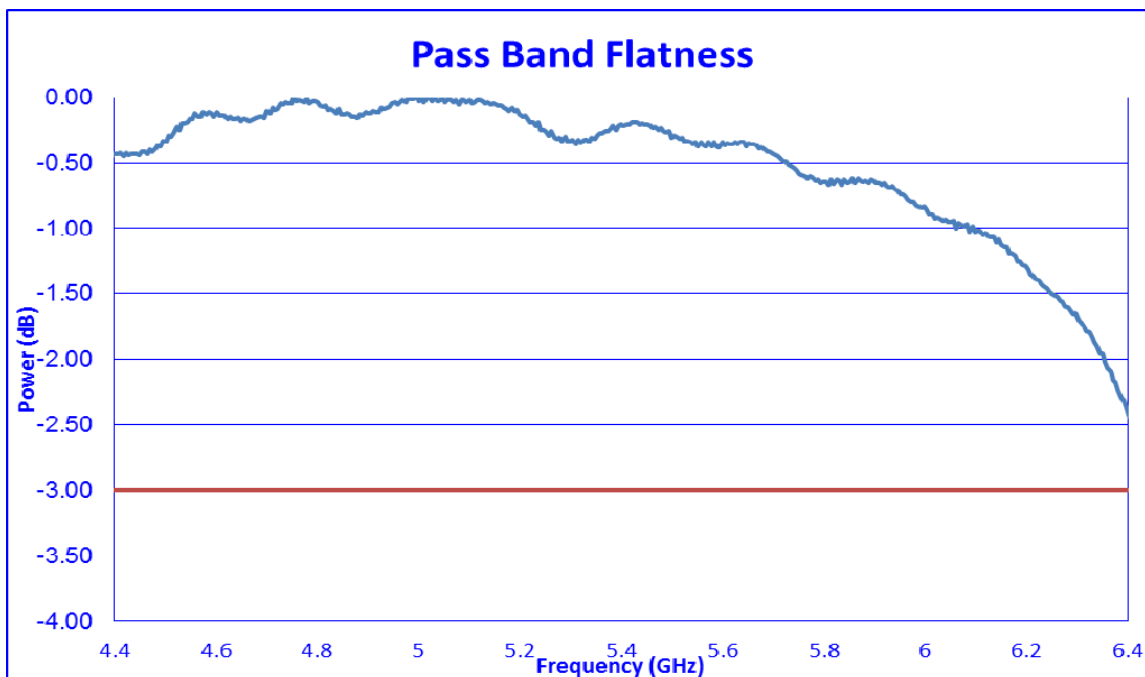


VSWR In The Passband





Typical Characteristics on BPF-5400-2000-35-SFF-HY





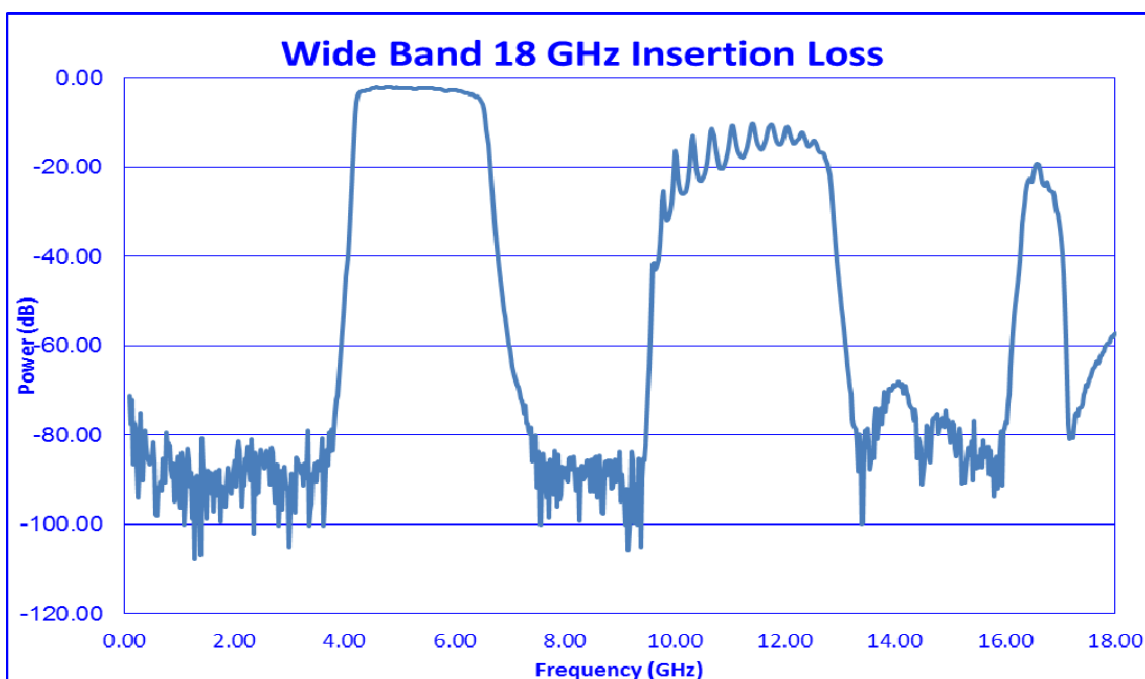
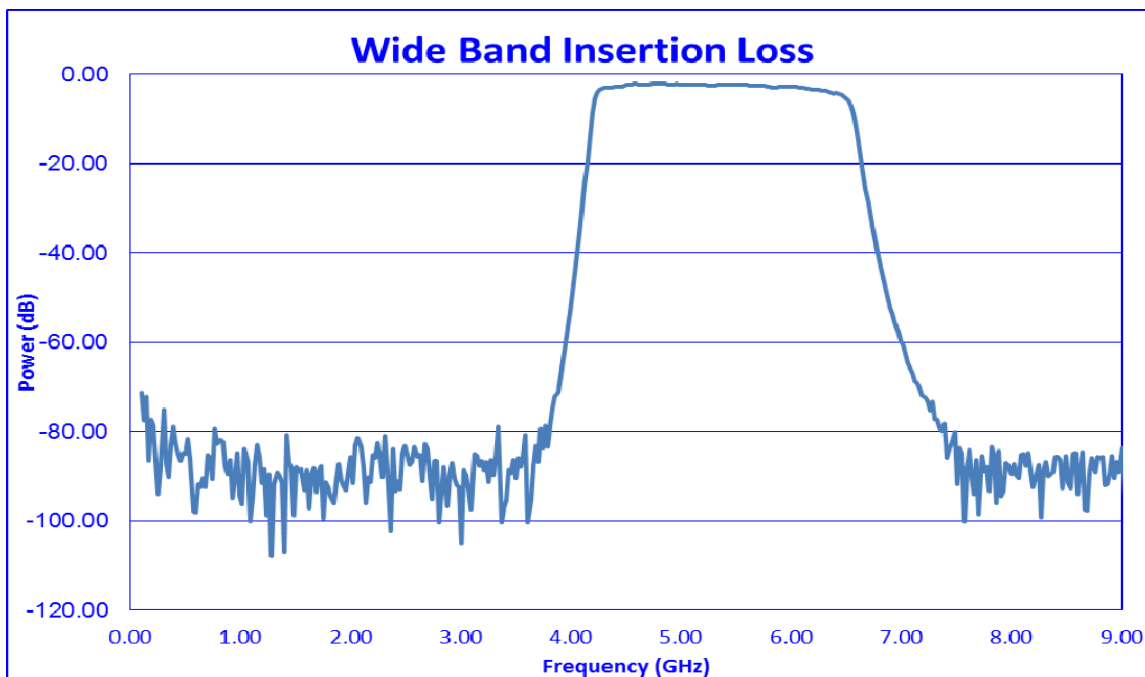
Typical Characteristics
on
BPF-5400-2000-35-SFF-HY

TEST DATA SUMMARY -40°C

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	Test Results	QA QC
1	Passband	4.4 To 6.4 GHz	4.4 To 6.4 GHz	
2	Passband Flatness	3 dB MAX	2.01 dB	
3	Rejection	-35 dBc MIN 0.1 - 4.0 GHz -35 dBc MIN 6.8 - 9.0 GHz	-44.85 @ 0.1 - 4.0 GHz -39.25 @ 6.8 - 9.0 GHz	
4	Passband VSWR:	2.0:1 MAX	1.43:1	
5	Insertion Loss (1 dB PASSBAND):	6 dB MAX	2.99 dB	

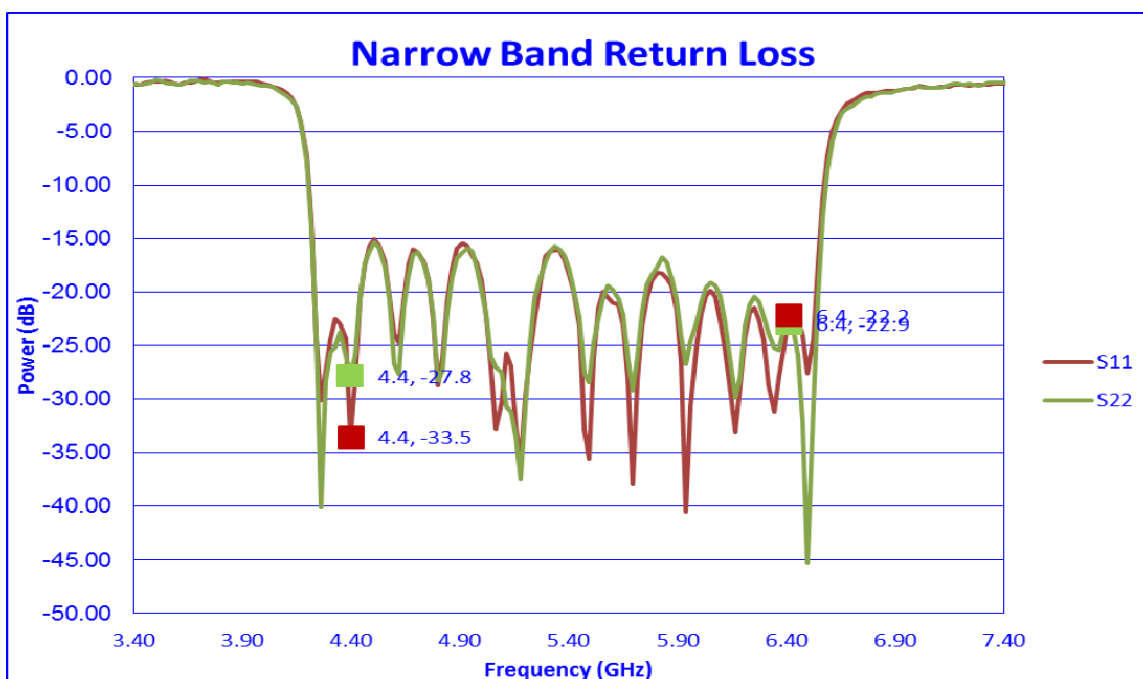
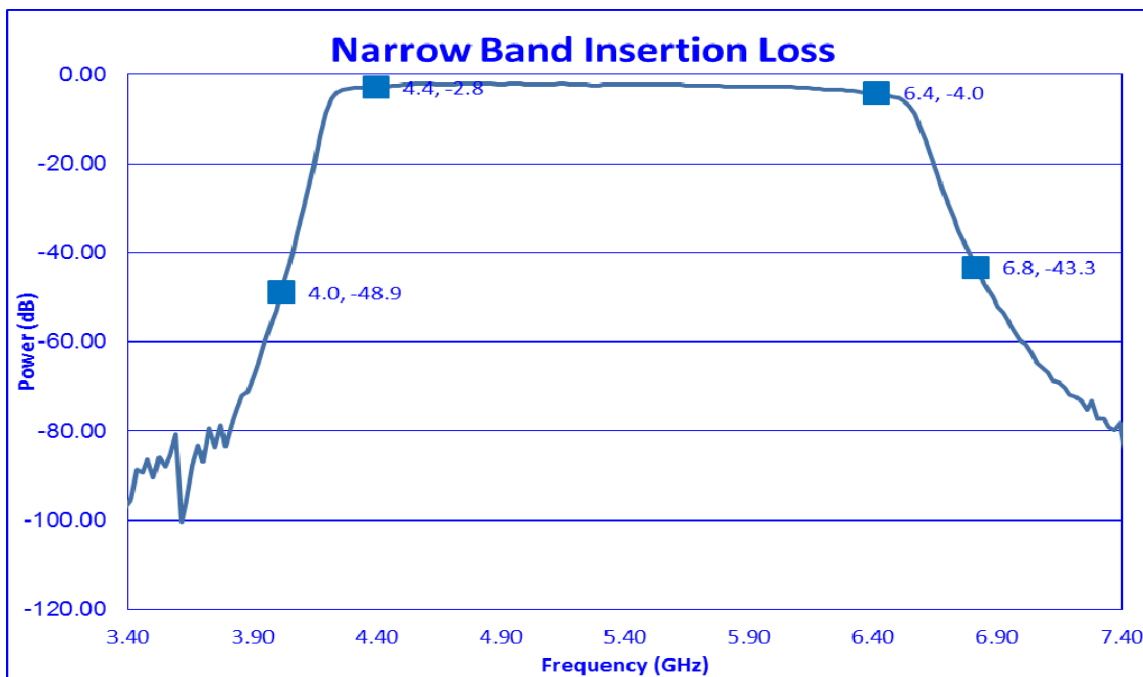


**Typical Characteristics
on
BPF-5400-2000-35-SFF-HY**





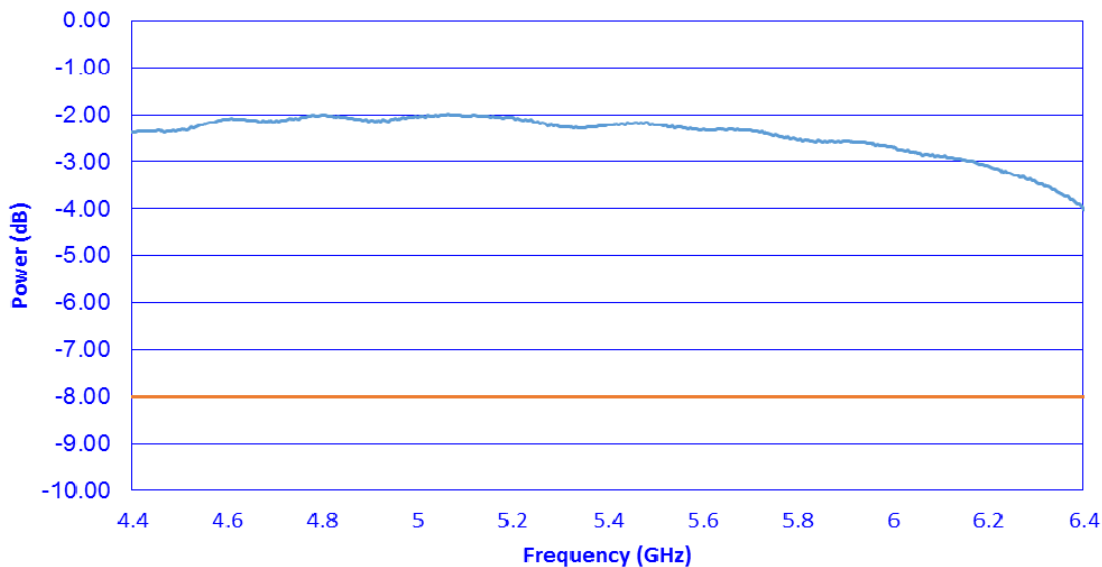
Typical Characteristics on BPF-5400-2000-35-SFF-HY



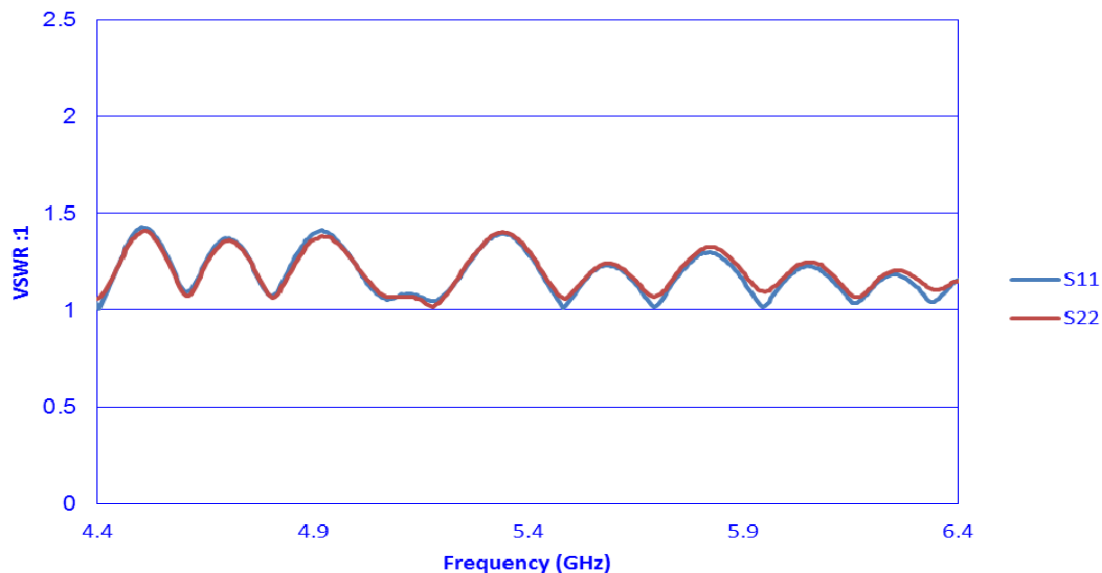


Typical Characteristics on BPF-5400-2000-35-SFF-HY

Insertion Loss In The Passband

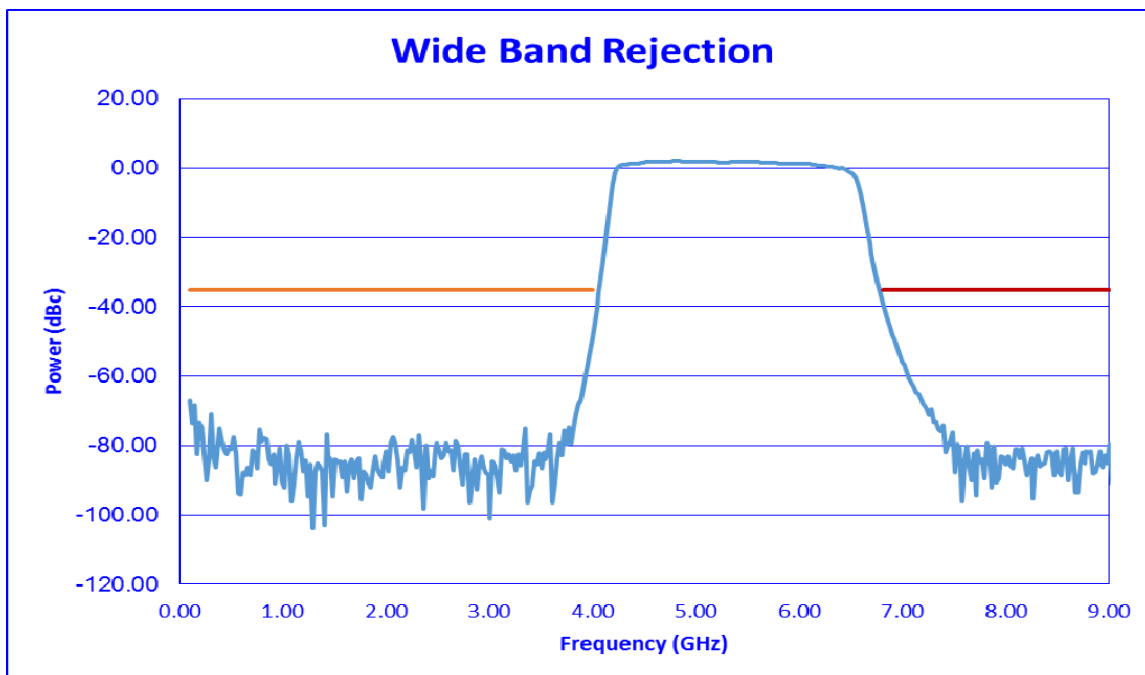
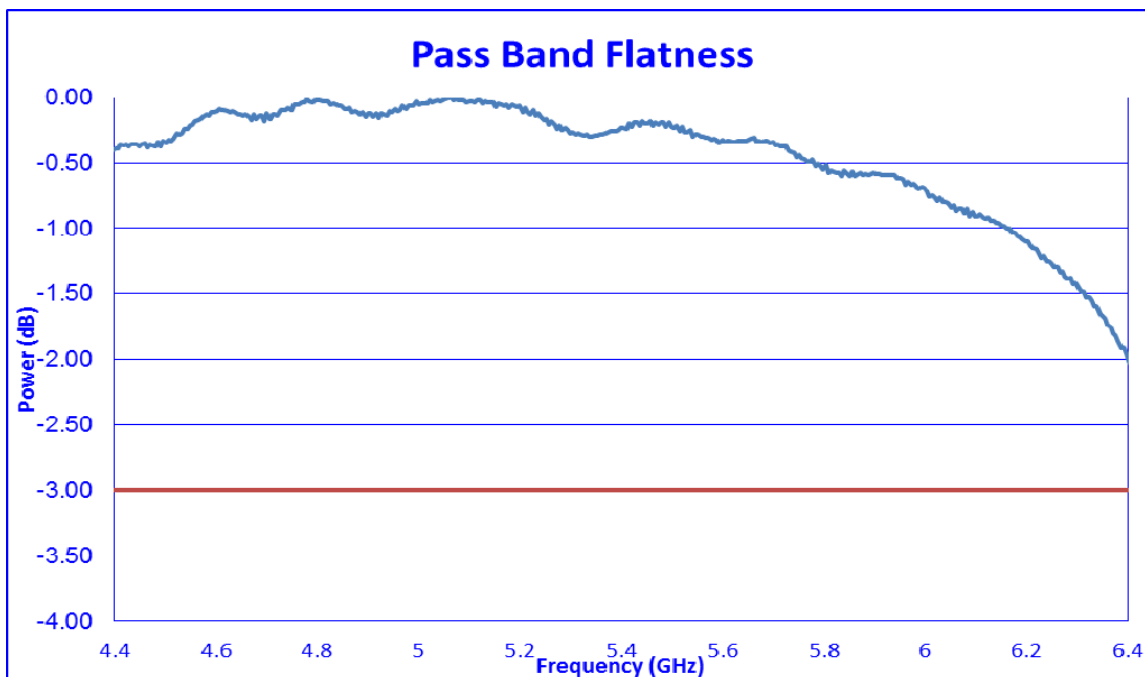


VSWR In The Passband





Typical Characteristics on BPF-5400-2000-35-SFF-HY





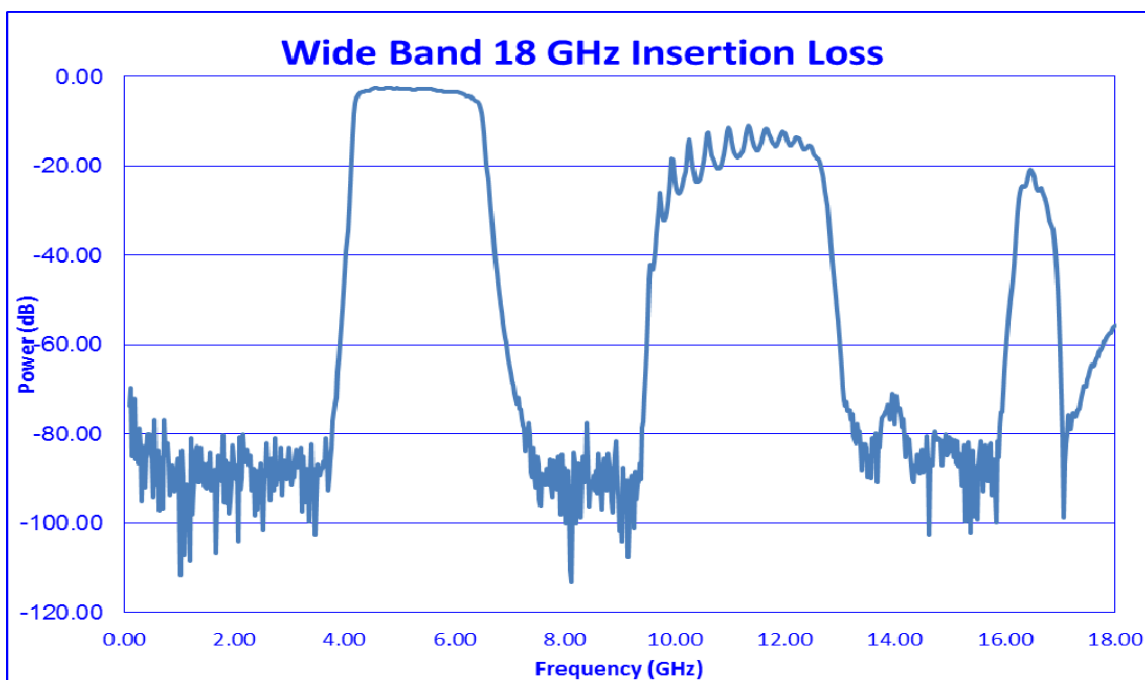
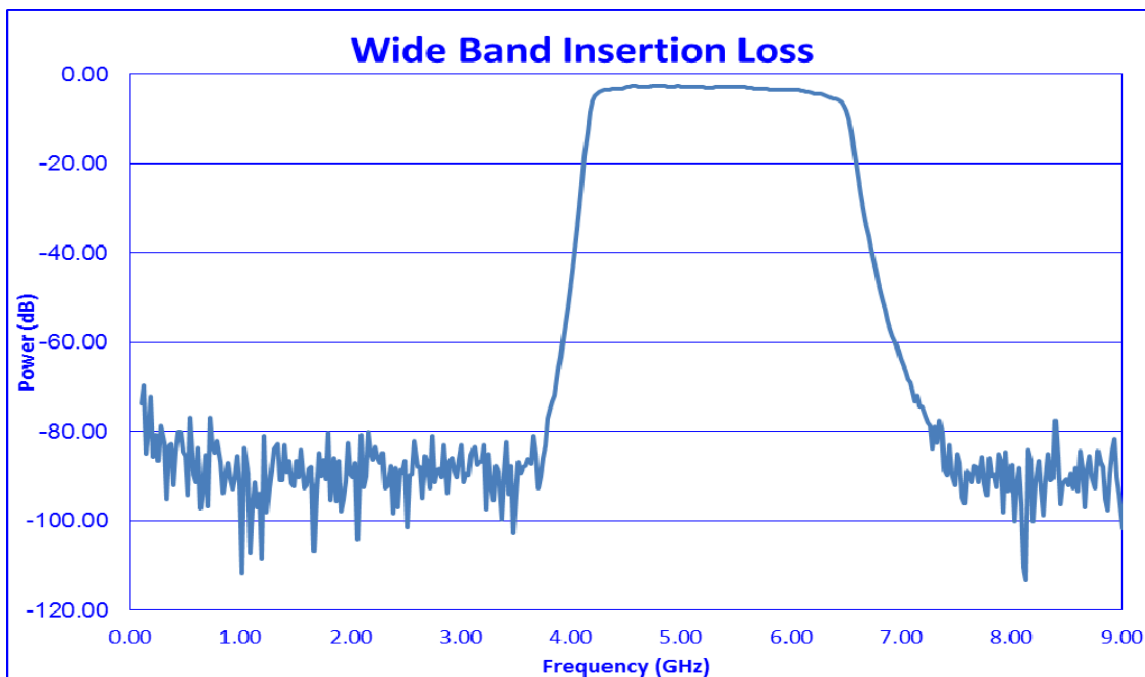
Typical Characteristics
on
BPF-5400-2000-35-SFF-HY

TEST DATA SUMMARY +85°C

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	Test Results	QA QC
1	Passband	4.4 To 6.4 GHz	4.4 To 6.4 GHz	
2	Passband Flatness	3 dB MAX	2.82 dB	
3	Rejection	-35 dBc MIN 0.1 - 4.0 GHz -35 dBc MIN 6.8 - 9.0 GHz	-38.59 @ 0.1 - 4.0 GHz -43.5 @ 6.8 - 9.0 GHz	
4	Passband VSWR:	2.0:1 MAX	1.42:1	
5	Insertion Loss (1 dB PASSBAND):	6 dB MAX	3.45 dB	

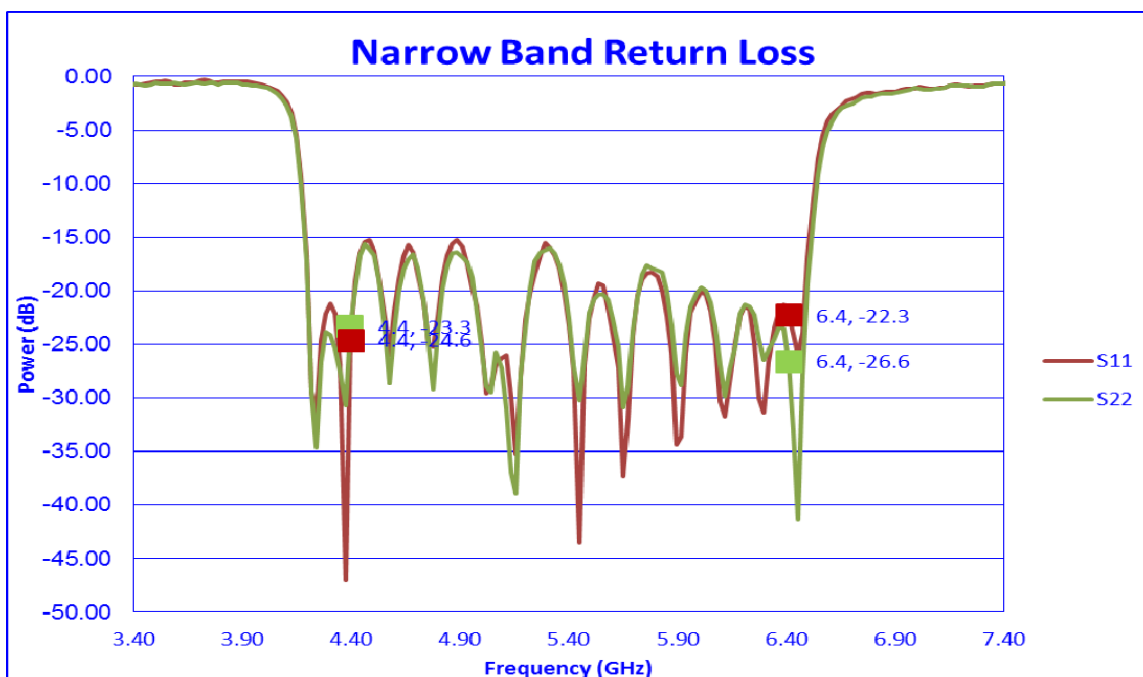
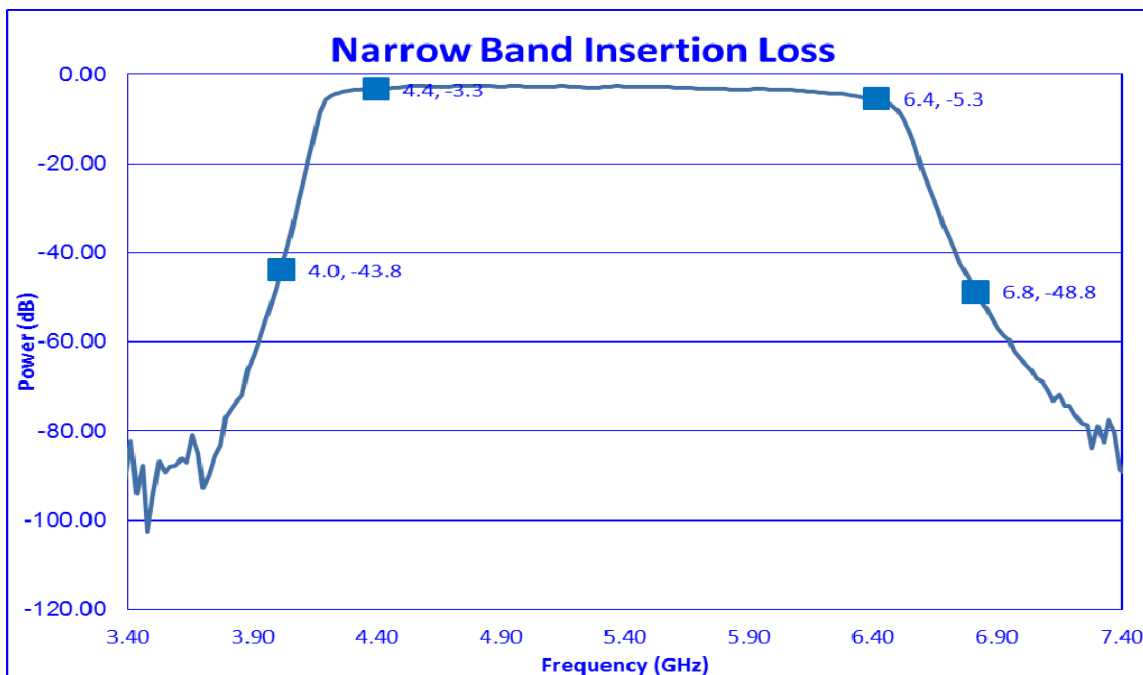


**Typical Characteristics
on
BPF-5400-2000-35-SFF-HY**





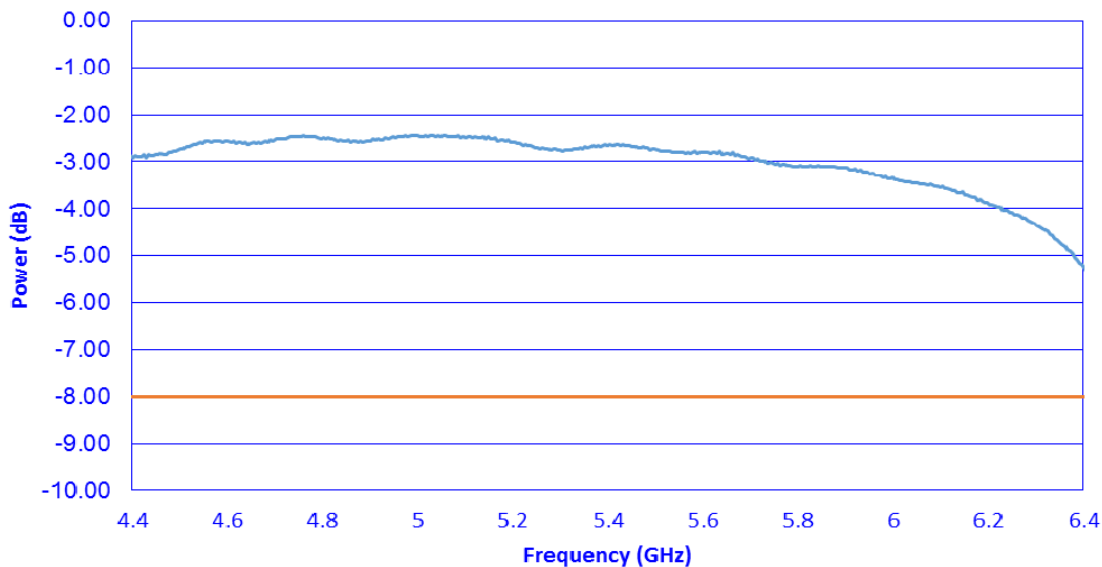
Typical Characteristics on BPF-5400-2000-35-SFF-HY



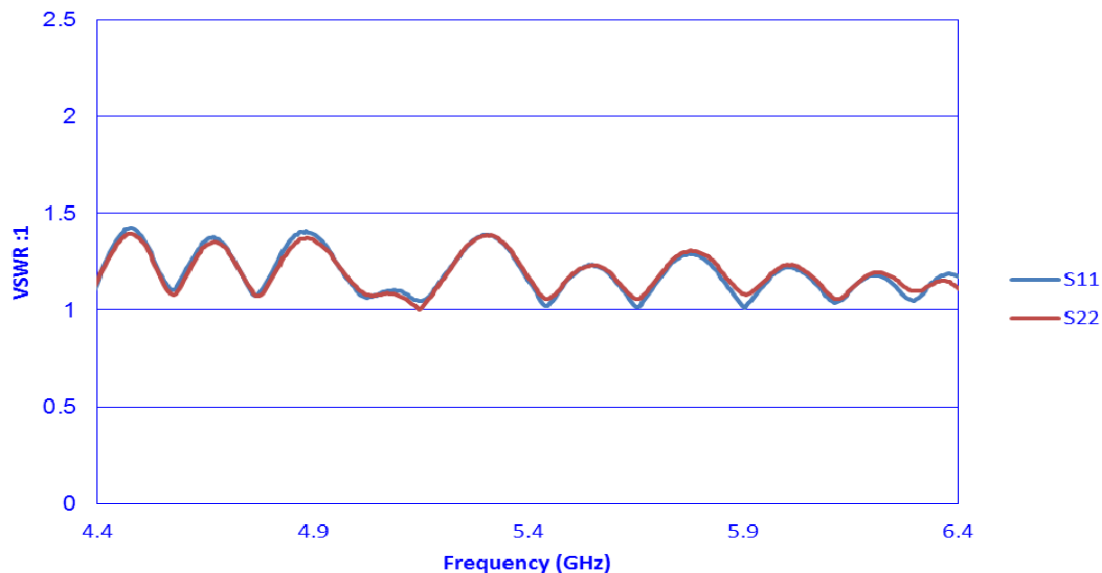


Typical Characteristics on BPF-5400-2000-35-SFF-HY

Insertion Loss In The Passband



VSWR In The Passband





Typical Characteristics on BPF-5400-2000-35-SFF-HY

