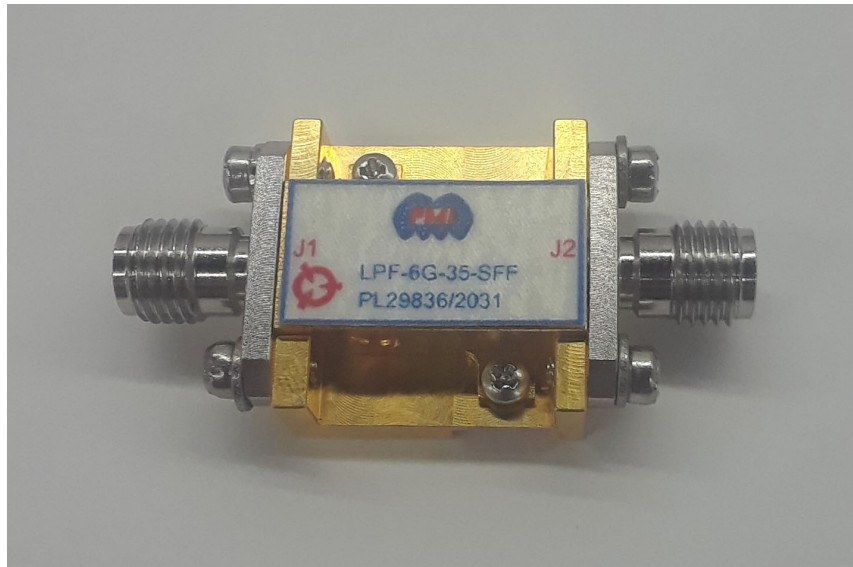




**TYPICAL CHARACTERISTICS
ON
LPF-6G-35-SFF**

**PLANAR MONOLITHICS INDUSTRIES MODEL NUMBER LPF-6G-35-SFF IS
A LOWPASS FILTER WHICH OPERATES DC TO 18 GHz. THE PASSBAND
IS FROM DC TO 4400 MHz MINIMUM AND THE FILTER HAS THE
FOLLOWING SPECIFICATIONS.**



August 7, 2020

TESTED & REPORTED BY: E. Kretz



**TYPICAL CHARACTERISTICS
ON
LPF-6G-35-SFF**

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TYPICAL CHARACTERISTICS ON LPF-6G-35-SFF

OUTLINE DRAWING

DRAWING NO.	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	7/28/2008	
	B1	ECN # 25-0081	9/17/2008	

DESCRIPTION:
 PLANAR MONOLITHICS INDUSTRIES MODEL NUMBER LPF-6G-35-SFF IS A LOWPASS FILTER WHICH OPERATES DC TO 18 GHz. THE PASSBAND IS FROM DC TO 4400 MHz MINIMUM AND THE FILTER HAS THE FOLLOWING SPECIFICATIONS.

SPECIFICATIONS:

PASSBAND FREQUENCY RANGE:..... DC TO 4400 MHz MINIMUM
 -3 dB CUT-OFF FREQUENCY:..... 6950 MHz MAXIMUM
 PASSBAND INSERTION LOSS:..... 2 dB MAXIMUM
 PASSBAND VSWR:..... 2.0:1 MAXIMUM
 REJECTION:..... -35 dBc MINIMUM 9 - 18 GHz

- CONNECTORS:..... SMA FEMALE (FIELD REPLACEABLE)
- SIZE:..... 0.685" X 0.70" X 0.255"
- FINISH:..... GOLD PLATED

CARRIER AND CONNECTORS CAN BE REMOVED

ENVIRONMENTAL RATINGS:

- TEMPERATURE:..... -45°C TO +85°C (OPERATING)
 -65°C TO +150°C (STORAGE)

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

APPROVALS		DATE	TITLE
DESIGNED BY D. DURBIN	DATE 2/23/2008		TITLE Lowpass Filter
DESIGNED BY D. DURBIN	DATE 2/23/2008		TITLE Lowpass Filter
DESIGNED BY B. B. B.	DATE JUL 2 2008		TITLE Lowpass Filter

PLANAR MONOLITHICS INDUSTRIES, INC.
 7311-F GROVE ROAD
 FREDERICK, MD 21704 USA
 TEL: (301)662-5019 FAX: (301)662-1731
 WWW.PMI-RF.COM

DRAWING NO.	REV.	DESCRIPTION	DATE	APPROVED
	B	55XQ00	27039660	B1

SCALE 2:1 SHEET 1 OF 1

TEST DATA SUMMARY @ +23°C

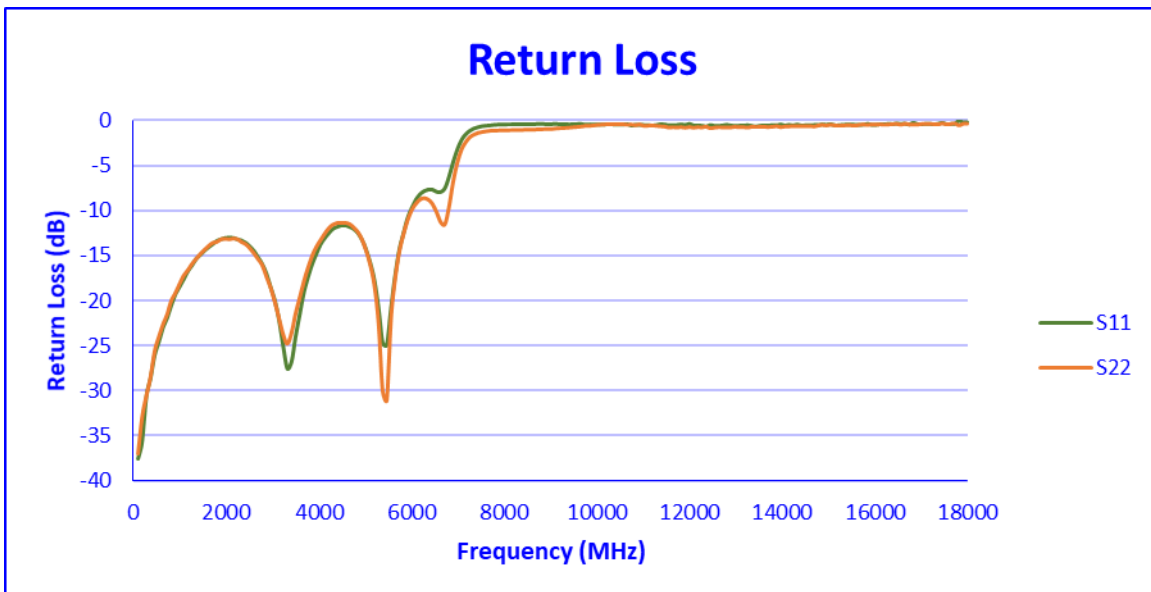
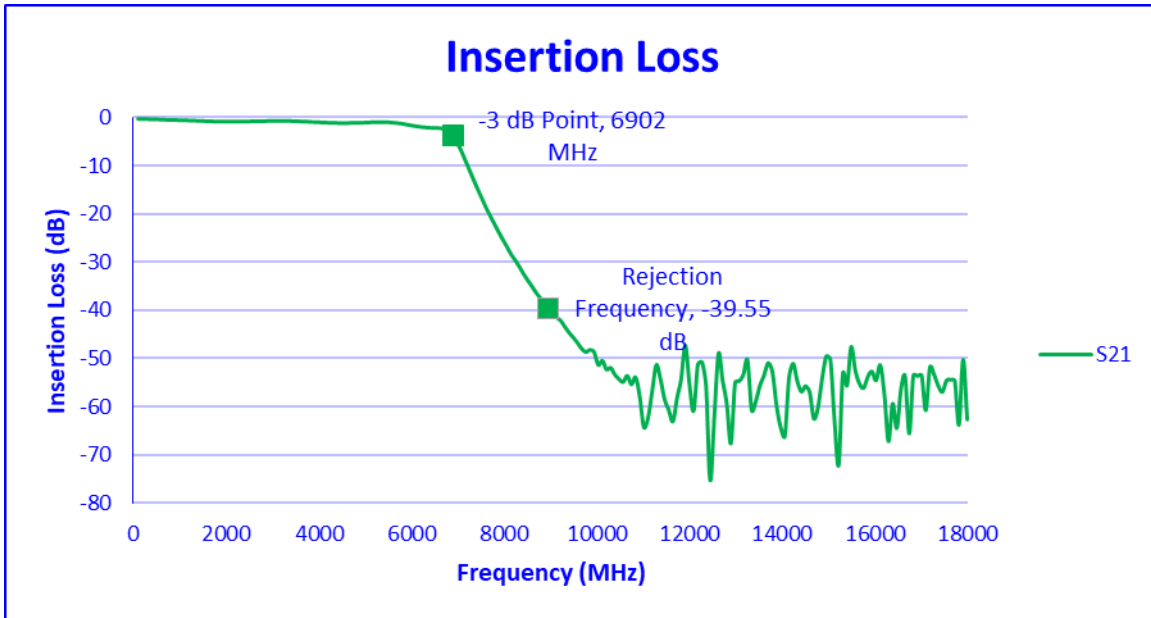


**TYPICAL CHARACTERISTICS
ON
LPF-6G-35-SFF**

TEST ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
1	Passband Frequency Range:	DC to 4400 MHz	DC to 4400 MHz	
2	-3 dB Cut-Off Frequency:	6950 MHz Maximum	6902 MHz	
3	Passband Insertion Loss:	2 dB Maximum	1.01 dB	
4	Passband VSWR:	2.0 : 1 Maximum	1.74 : 1	
5	Rejection:	-35 dBc 9 to 18 GHz Minimum	-38.54dBc From 9 GHz to 18 GHz	



**TYPICAL CHARACTERISTICS
ON
LPF-6G-35-SFF**





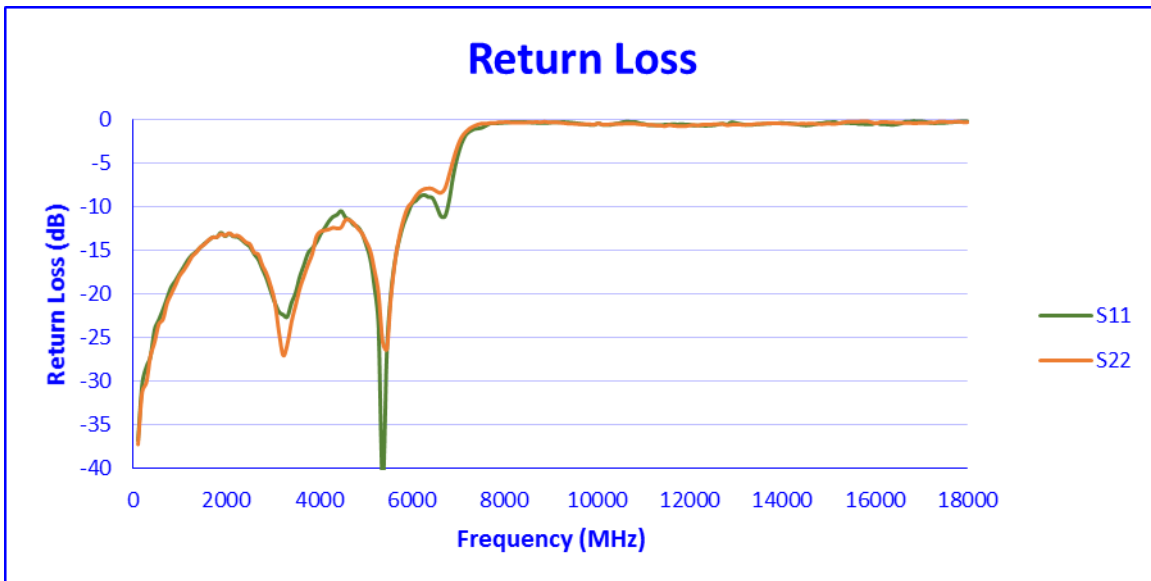
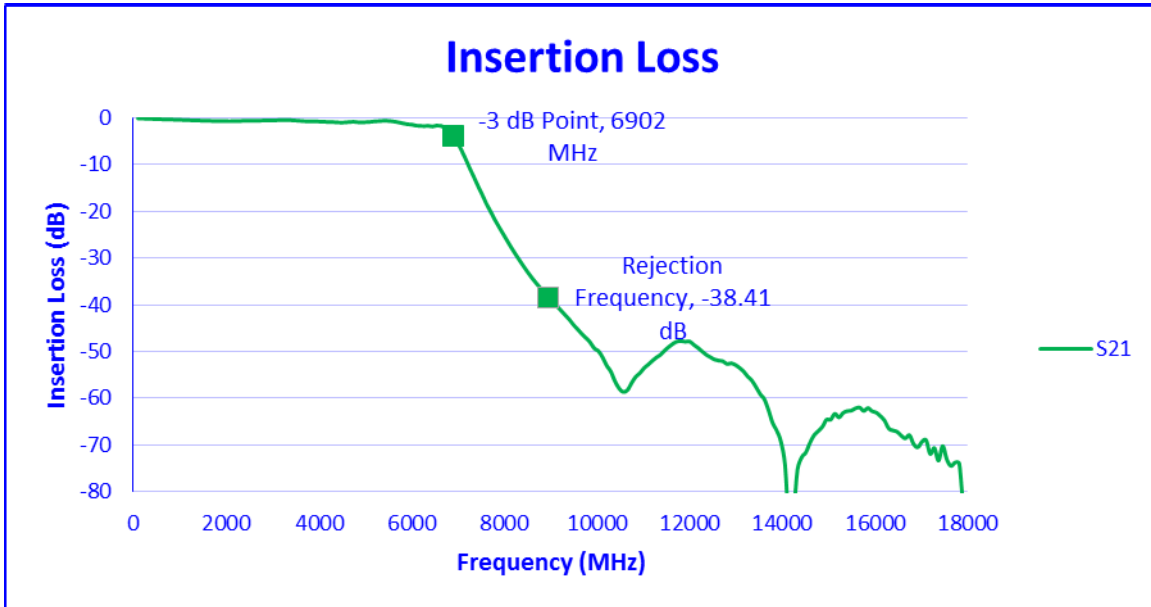
**TYPICAL CHARACTERISTICS
ON
LPF-6G-35-SFF**

TEST DATA SUMMARY @ -40°C

TEST ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
1	Passband Frequency Range:	DC to 4400 MHz	DC to 4400 MHz	
2	-3 dB Cut-Off Frequency:	6950 MHz Maximum	6902 MHz	
3	Passband Insertion Loss:	2 dB Maximum	0.94 dB	
4	Passband VSWR:	2.0 : 1 Maximum	1.8 : 1	
5	Rejection:	-35 dBc 9 to 18 GHz Minimum	-37.47 dBc From 9 GHz to 18 GHz	



**TYPICAL CHARACTERISTICS
ON
LPF-6G-35-SFF**





**TYPICAL CHARACTERISTICS
ON
LPF-6G-35-SFF**

TEST DATA SUMMARY @ +85°C

TEST ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
1	Passband Frequency Range:	DC to 4400 MHz	DC to 4400 MHz	
2	-3 dB Cut-Off Frequency:	6950 MHz Maximum	6902 MHz	
3	Passband Insertion Loss:	2 dB Maximum	0.95 dB	
4	Passband VSWR:	2.0 : 1 Maximum	1.62 : 1	
5	Rejection:	-35 dBc 9 to 18 GHz Minimum	-39.32 dBc From 9 GHz to 18 GHz	



**TYPICAL CHARACTERISTICS
ON
LPF-6G-35-SFF**

