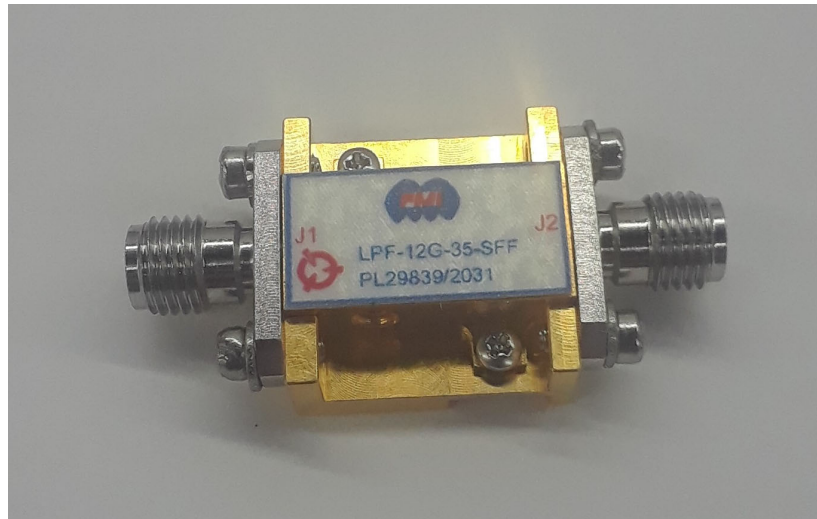




**TYPICAL CHARACTERISTICS
ON
LPF-12G-35-SFF**

**PLANAR MONOLITHICS INDUSTRIES MODEL NUMBER LPF-12G-35-SFF IS
A LOWPASS FILTER WHICH OPERATES DC TO 18 GHz. THE PASSBAND
IS FROM DC TO 10400 MHz MINIMUM AND THE FILTER HAS THE
FOLLOWING SPECIFICATIONS.**



August, 7, 2020

TESTED & REPORTED BY: E. Kretz



**TYPICAL CHARACTERISTICS
ON
LPF-12G-35-SFF**

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TYPICAL CHARACTERISTICS ON LPF-12G-35-SFF

OUTLINE DRAWING

ICN#	REV	DESCRIPTION	DATE	APPROVED
A1		ORIGINAL RELEASE	12/29/2008	
B1		ECN # 25-0081	3/17/2009	

DESCRIPTION:
 PLANAR MONOLITHICS INDUSTRIES MODEL NUMBER LPF-12G-35-SFF IS A LOWPASS FILTER WHICH OPERATES DC TO 18 GHz. THE PASSBAND IS FROM DC TO 10400 MHz MINIMUM AND THE FILTER HAS THE FOLLOWING SPECIFICATIONS.

SPECIFICATIONS:

PASSBAND FREQUENCY RANGE:..... DC TO 10400 MHz MINIMUM
 -3 dB CUT-OFF FREQUENCY:..... 12500 MHz MAXIMUM
 PASSBAND INSERTION LOSS:..... 2 dB MAXIMUM
 PASSBAND VSWR:..... 2.0:1 MAXIMUM
 REJECTION:..... -35 dBc MINIMUM 16.5 - 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

0.110
0.070
0
0.180
0.685
0.039
2 PLACES
0.012 PIN
2 PLACES
0.360
0.430
0.470
0.064
2 PLACES

0.255
0.180
0.365
0.100
0.685
0.320
0.505
0.600
0.700

2X 2-56 UNC - 2B THRU ALL

FIELD REPLACEABLE SMA (F)
2 PLACES

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		Lowpass Filter	
DESIGNED BY			LPF-12G-35-SFF	
DATE			DWG NO.	27039720
SCALE	2:1		SHEET 1 OF 1	

PMI CONFIDENTIAL AND PROPRIETARY
 PLANAR MONOLITHICS INDUSTRIES, INC.
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 FREDERICK, MD 21704 USA
 TEL: (301)662-5019 FAX: (301)662-1731
 WEB: www.pmi-rf.com EMAIL: sales@pmi-rf.com
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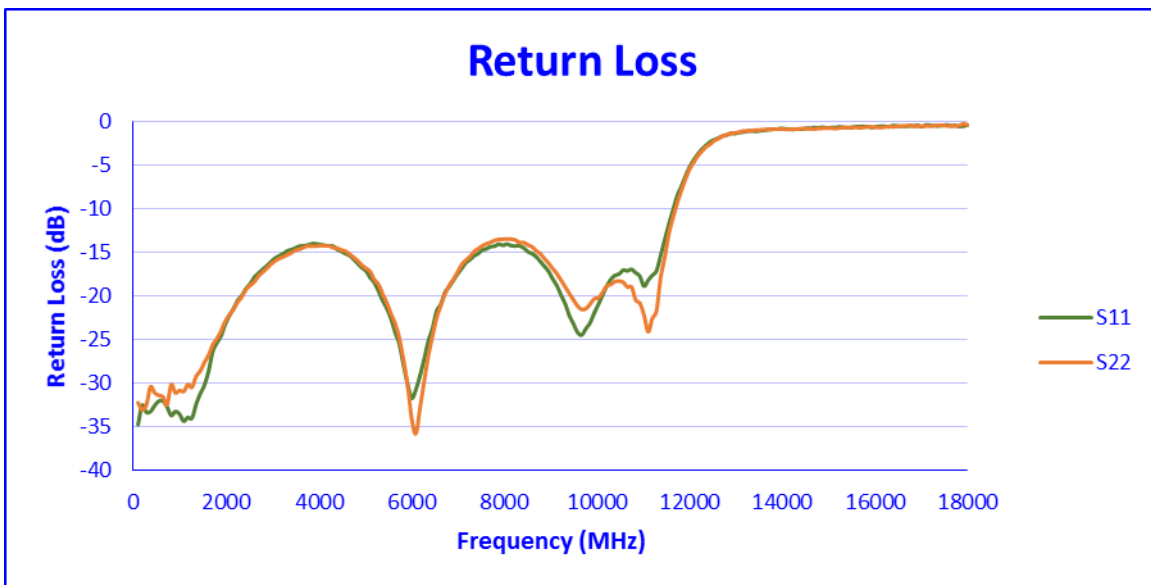
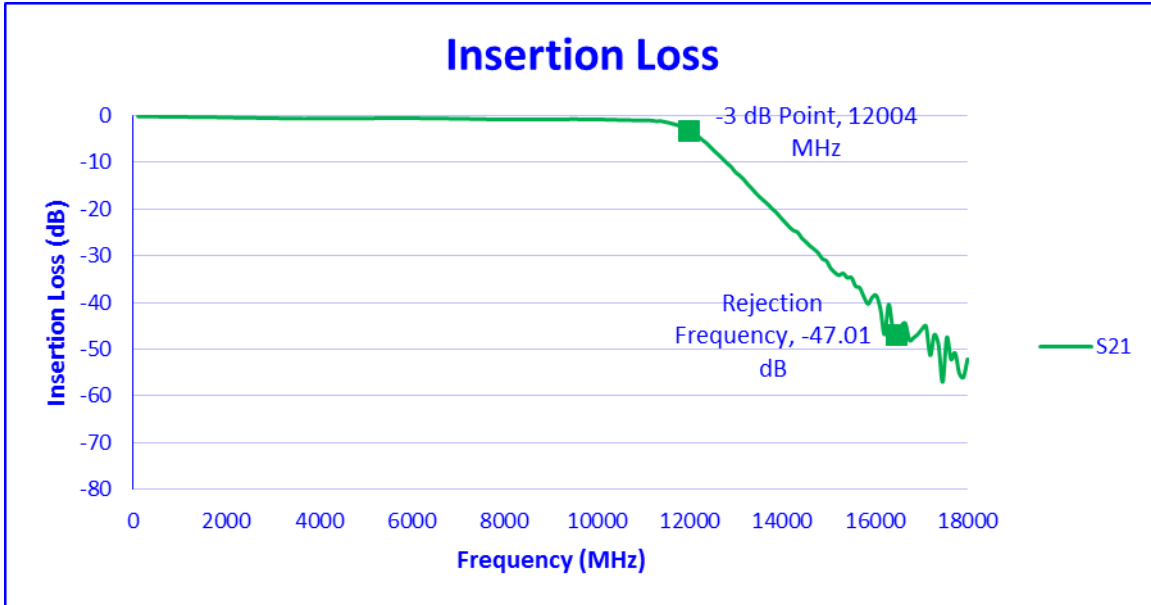
**TYPICAL CHARACTERISTICS
ON
LPF-12G-35-SFF**

TEST DATA SUMMARY @ +23°C

TEST ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
1	Passband Frequency Range:	DC to 10400 MHz	DC to 10400 MHz	
2	-3 dB Cut-Off Frequency:	12500 MHz Maximum	12004 MHz	
3	Passband Insertion Loss:	2 dB Maximum	0.89 dB	
4	Passband VSWR:	2.0 : 1 Maximum	1.54 : 1	
5	Rejection:	-35 dBc 16.5 to 18 GHz Minimum	-43.59 dBc From 16.5 GHz to 18 GHz	



**TYPICAL CHARACTERISTICS
ON
LPF-12G-35-SFF**





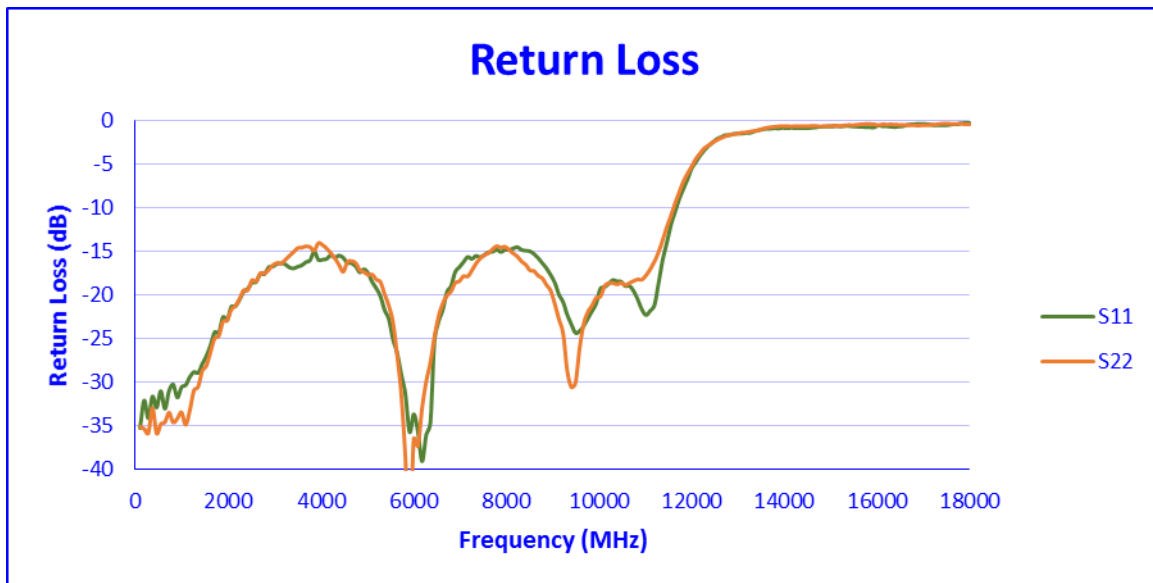
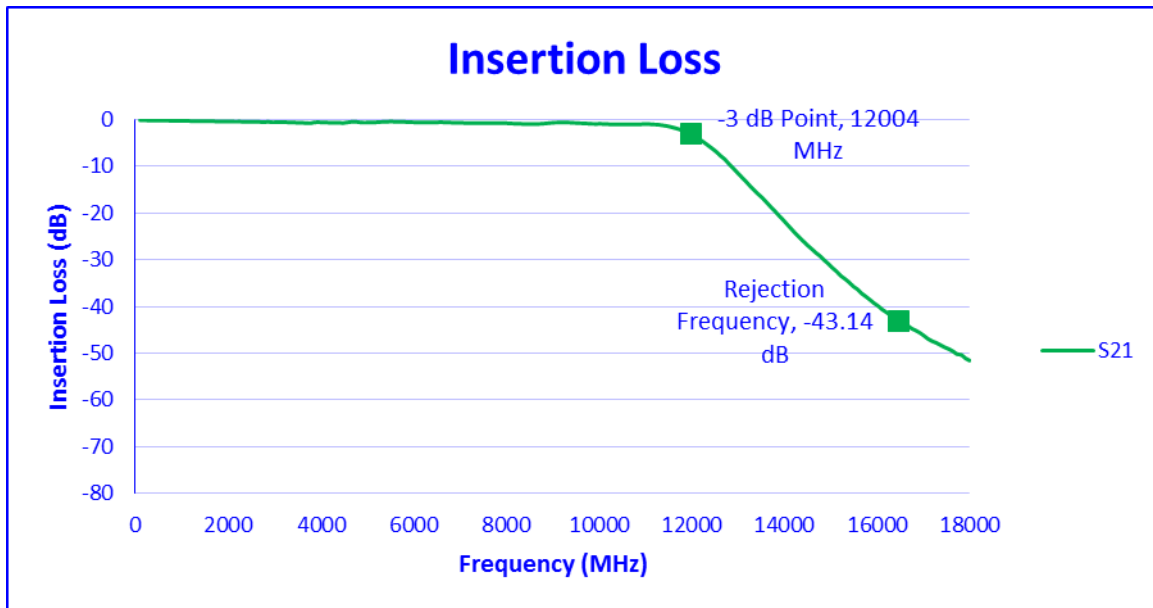
**TYPICAL CHARACTERISTICS
ON
LPF-12G-35-SFF**

TEST DATA SUMMARY @ -40°C

TEST ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
1	Passband Frequency Range:	DC to 10400 MHz	DC to 10400 MHz	
2	-3 dB Cut-Off Frequency:	12500 MHz Maximum	12004 MHz	
3	Passband Insertion Loss:	2 dB Maximum	1.02 dB	
4	Passband VSWR:	2.0 : 1 Maximum	1.49 : 1	
5	Rejection:	-35 dBc 16.5 to 18 GHz Minimum	-42.12 dBc From 16.5 GHz to 18 GHz	



**TYPICAL CHARACTERISTICS
ON
LPF-12G-35-SFF**





**TYPICAL CHARACTERISTICS
ON
LPF-12G-35-SFF**

TEST DATA SUMMARY @ +85°C

TEST ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
1	Passband Frequency Range:	DC to 10400 MHz	DC to 10400 MHz	
2	-3 dB Cut-Off Frequency:	12500 MHz Maximum	12004 MHz	
3	Passband Insertion Loss:	2 dB Maximum	1.15 dB	
4	Passband VSWR:	2.0 : 1 Maximum	1.59 : 1	
5	Rejection:	-35 dBc 16.5 to 18 GHz Minimum	-41.56 dBc From 16.5 GHz to 18 GHz	



**TYPICAL CHARACTERISTICS
ON
LPF-12G-35-SFF**

