



**TYPICAL CHARACTERISTICS
ON
LPF-10G-35-SFF**

**PLANAR MONOLITHICS INDUSTRIES MODEL NUMBER LPF-10G-35-SFF IS
A LOWPASS FILTER WHICH OPERATES DC TO 18 GHz. THE PASSBAND
IS FROM DC TO 8400 MHz MINIMUM AND THE FILTER HAS THE
FOLLOWING SPECIFICATIONS.**



August, 7, 2020

TESTED & REPORTED BY: E. Kretz



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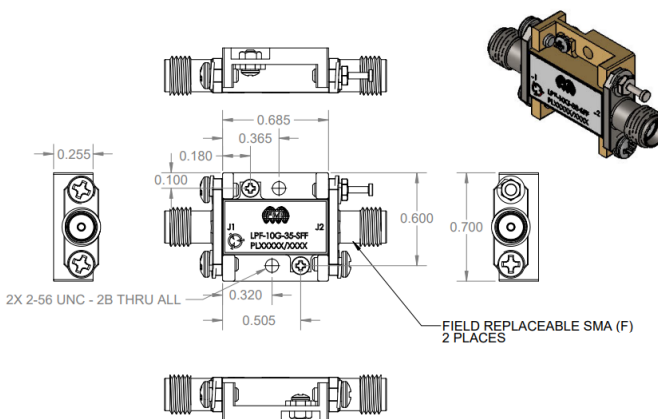
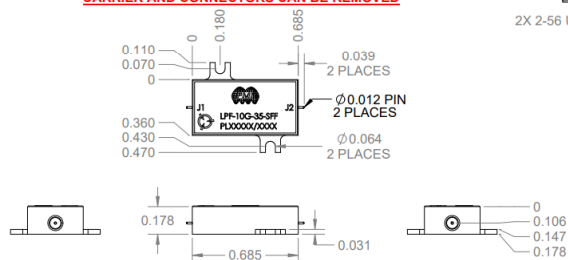
DESCRIPTION:

ZONE	REV.	DESCRIPTION	DATE	APPROV.
	A1	ORIGINAL RELEASE	7/29/2020	
	B1	ECN # 25-0081	3/17/2025	

SPECIFICATIONS:

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

CARRIER AND CONNECTORS CAN BE REMOVED

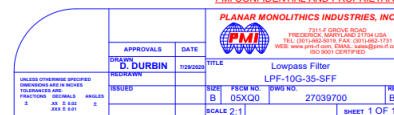


ENVIRONMENTAL RATINGS:

- 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

PMI CONFIDENTIAL AND PROPRIETARY





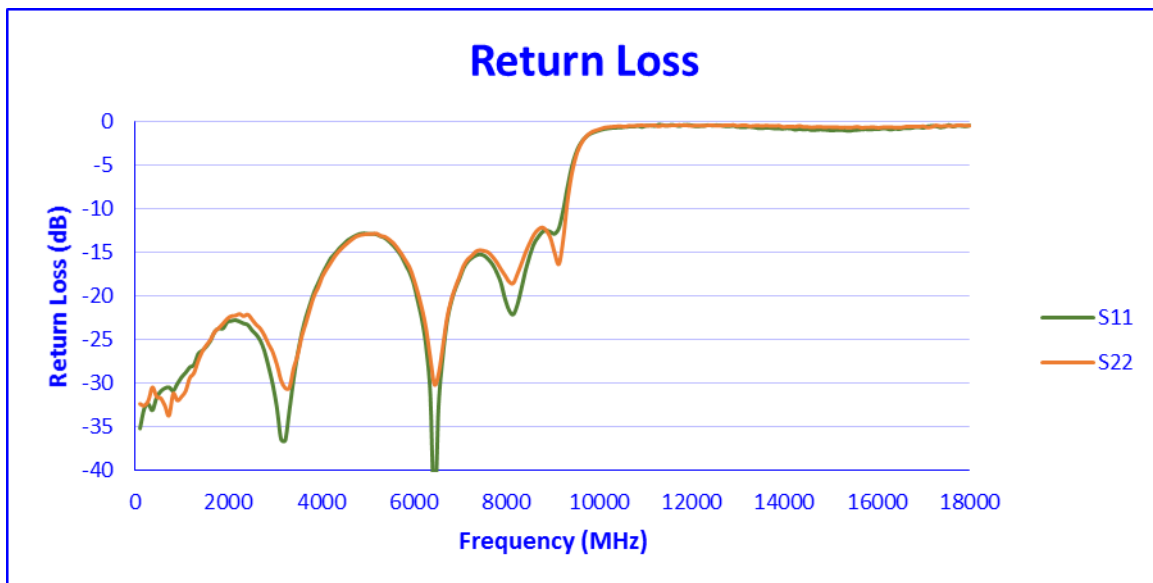
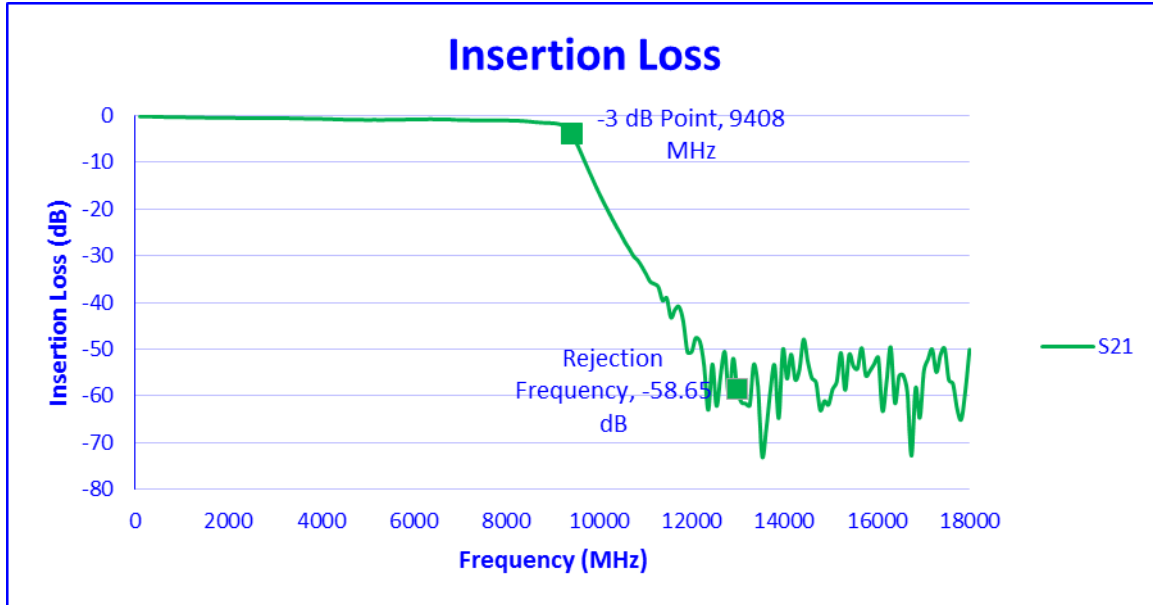
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TEST DATA SUMMARY @ +23°C

TEST ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
1	Passband Frequency Range:	DC to 8400 MHz	DC to 8400 MHz	
2	-3 dB Cut-Off Frequency:	10500 MHz Maximum	9408 MHz	
3	Passband Insertion Loss:	2 dB Maximum	1.13 dB	
4	Passband VSWR:	2.0 : 1 Maximum	1.59 : 1	
5	Rejection:	-35 dBc 13 to 18 GHz Minimum	-46.74 dBc From 13 GHz to 18 GHz	



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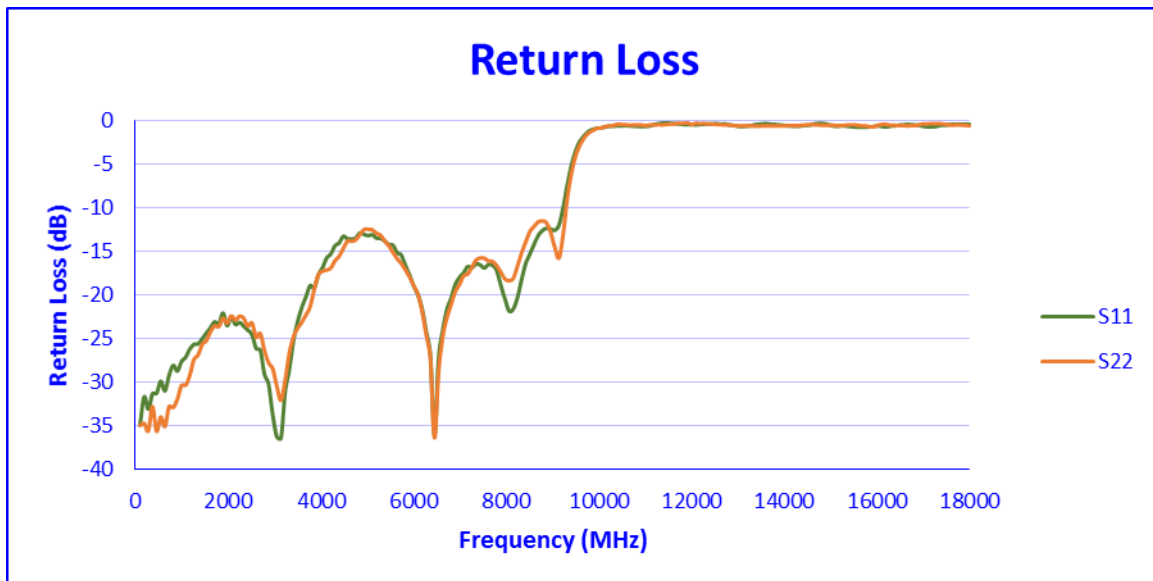
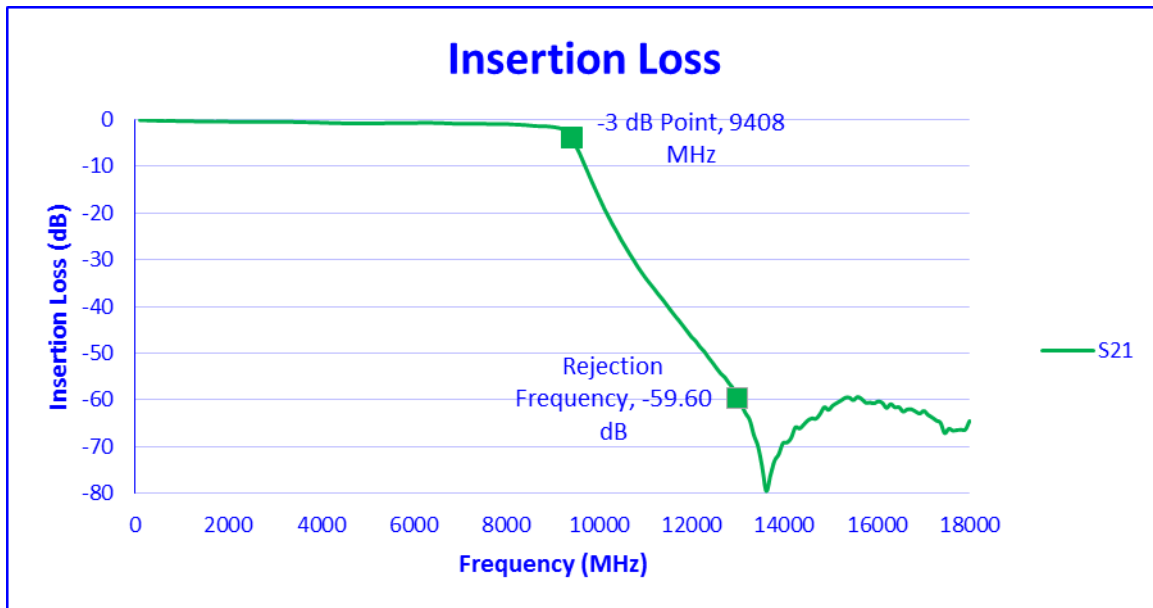
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TEST DATA SUMMARY @ -40°C

TEST ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
1	Passband Frequency Range:	DC to 8400 MHz	DC to 8400 MHz	
2	-3 dB Cut-Off Frequency:	10500 MHz Maximum	9408 MHz	
3	Passband Insertion Loss:	2 dB Maximum	1.1 dB	
4	Passband VSWR:	2.0 : 1 Maximum	1.63 : 1	
5	Rejection:	-35 dBc 13 to 18 GHz Minimum	-58.26 dBc From 13 GHz to 18 GHz	



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TEST DATA SUMMARY @ +85°C

TEST ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
1	Passband Frequency Range:	DC to 8400 MHz	DC to 8400 MHz	
2	-3 dB Cut-Off Frequency:	10500 MHz Maximum	9319 MHz	
3	Passband Insertion Loss:	2 dB Maximum	1.28 dB	
4	Passband VSWR:	2.0 : 1 Maximum	1.65 : 1	
5	Rejection:	-35 dBc 13 to 18 GHz Minimum	-57.48 dBc From 13 GHz to 18 GHz	



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