

**SUMMARY TEST DATA
ON
QSM-LP-2000-SFF**

PMI MODEL NUMBER QSM-LP-2000-SFF IS A LOW PASS FILTER WITH SMA FEMALE CONNECTORS.



**DESIGNED BY
PMI ENGINEERING**

**TESTED & REPORTED BY
R. SIRK**

**DATE
February 18, 2024**

SUMMARY TEST DATA ON QSM-LP-2000-SFF OUTLINE

DESCRIPTION:

PMI MODEL NUMBER QSM-LP-2000-SFF IS A LOWPASS FILTER WITH SMA FEMALE CONNECTORS IN AND OUT.

SPECIFICATIONS:

- FREQUENCY RANGE:.....DC TO 6.0 GHZ
- PASSBAND:.....DC TO 2.0 GHZ
- 3 dB CUTOFF:.....2.0 GHZ MIN
- VSWR (PASSBAND):.....2.0:1 MAX
- INSERTION LOSS (PASSBAND):.....3 dB MAX
- REJECTION AT 6 GHZ:.....-40 dBc MIN
- CONNECTORS:.....SMA FEMALE CONNECTORS
- FINISH:.....GOLD PLATED

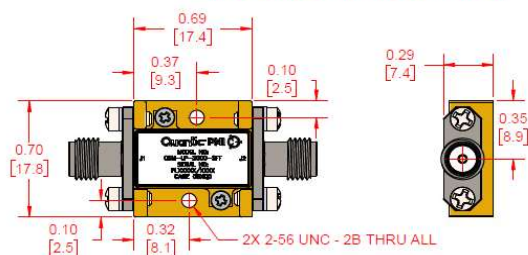
ENVIRONMENTAL RATINGS:

- TEMPERATURE:.....-55°C TO +85°C (OPERATING)
.....-65°C TO +125°C (STORAGE)
- HUMIDITY:.....MIL-STD-202, METHOD 103B COND. B
- SHOCK:.....MIL-STD-202, METHOD 213B COND. B
- VIBRATION:.....MIL-STD-202, METHOD 204D COND. B
- TEMPERATURE CYCLE:.....MIL-STD-202, METHOD 107D

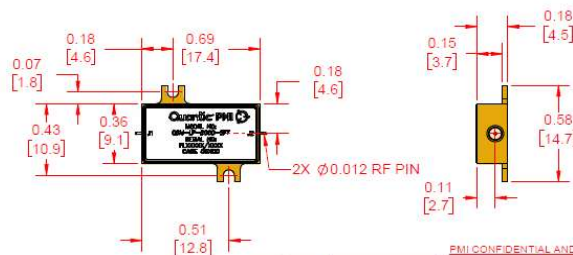
NOTE: SPECIFICATIONS WILL VARY OVER TEMPERATURE
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

COND	REV	DESCRIPTION	DATE	APPROVED
A1		ORIGINAL RELEASE	10/2004	
B1		ECN # 25-0081	01/2005	

HOUSING WITH CARRIER



HOUSING WITHOUT CARRIER (SURFACE MOUNT)

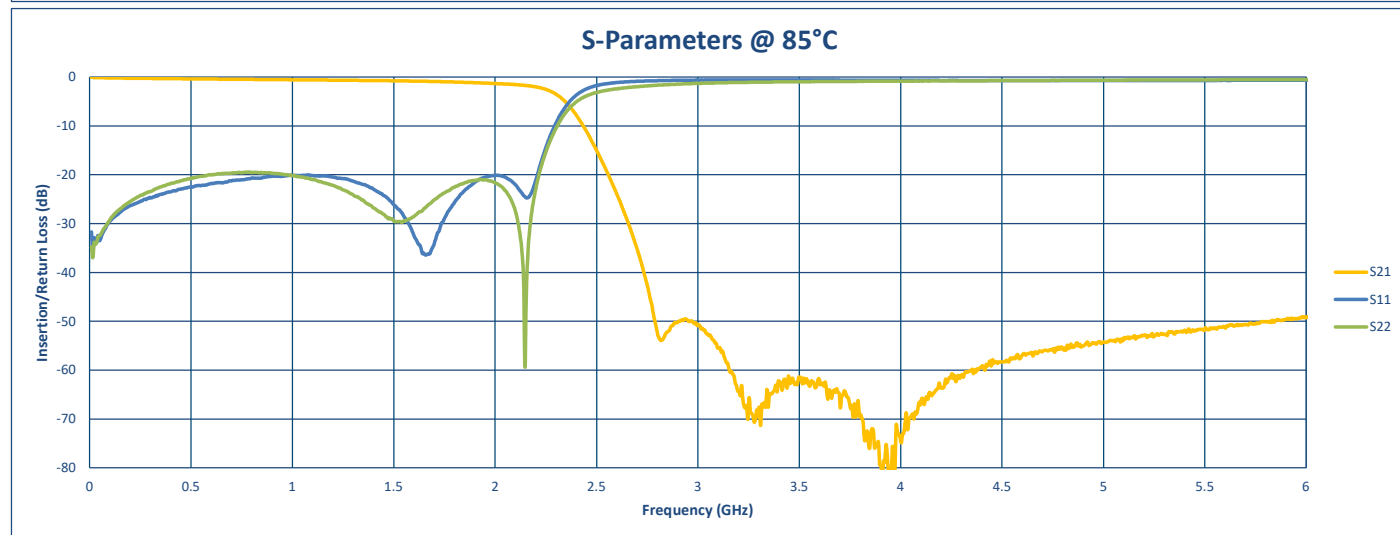
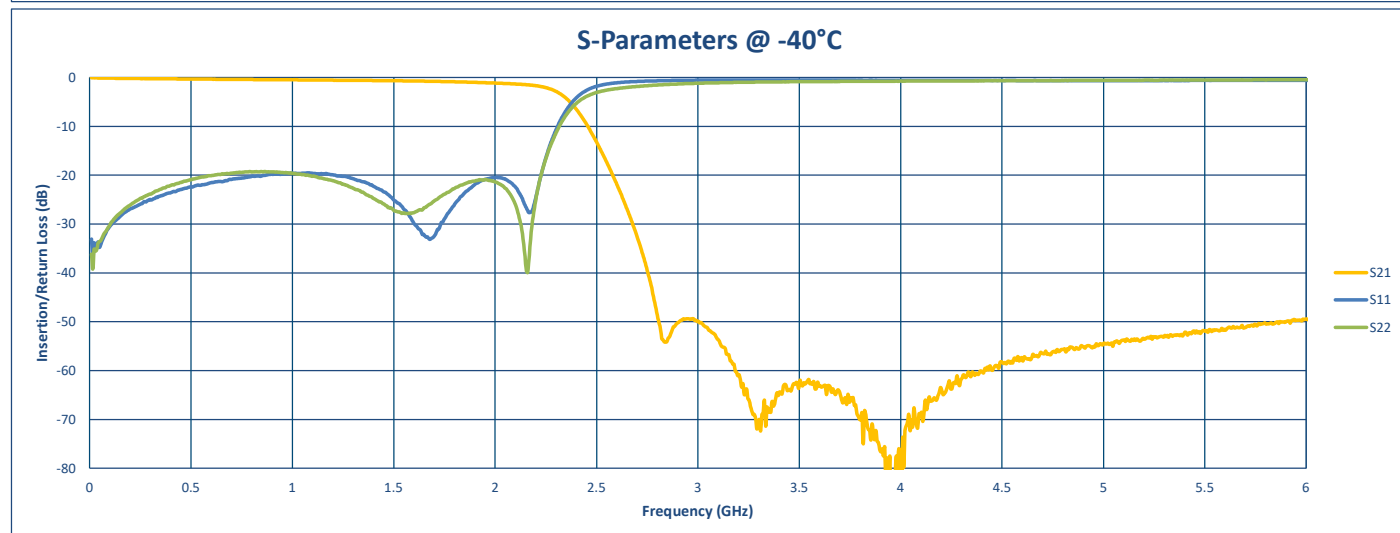
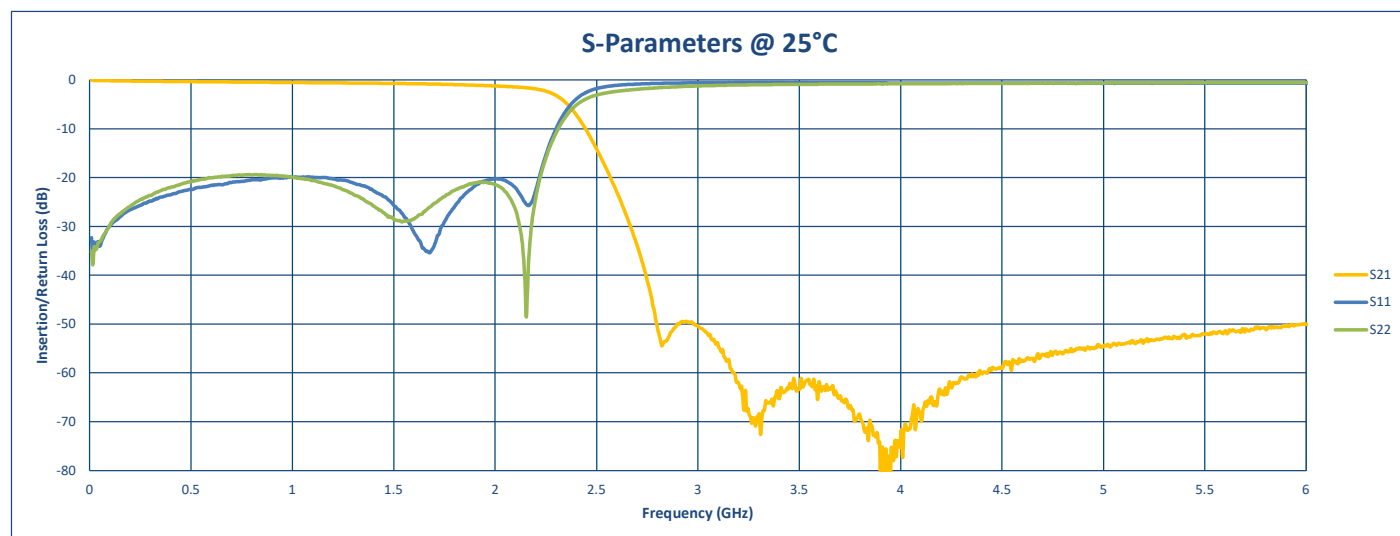


PMI CONFIDENTIAL AND PROPRIETARY

APPROVALS		DATE	TITLE	
DESIGNED	R. SIKK	10/2004	OUTLINE	
REVIEWED			QSM-LP-2000-SFF	
SENDER	S	05/XQ0	27048120	B1
SCALE 2:1			SHEET 1 OF 1	

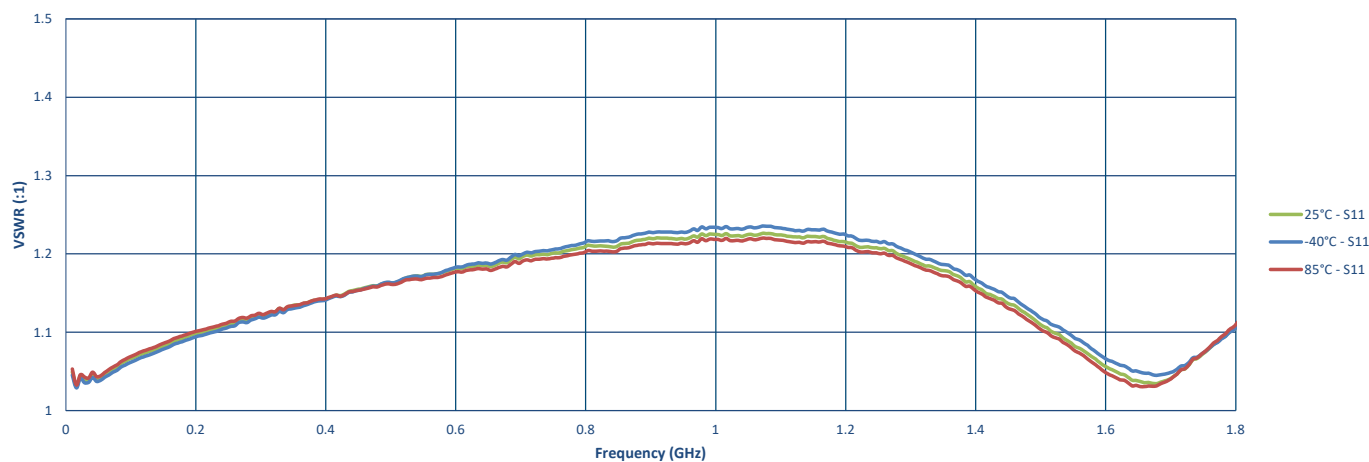
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TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	TEST RESULTS		
			-40°C	+25°C	+85°C
1	Frequency Range:	DC to 6.0 GHz	DC to 6.0 GHz		
2	Passband:	DC to 2.0 GHz	DC to 2.0 GHz		
3	3 dB Cutoff:	2000 MHz MIN	2303 MHz	2291 MHz	2278 MHz
4	VSWR: (Passband)	2.0:1 MAX	1.24:1 (See Plot)	1.24:1 (See Plot)	1.24:1 (See Plot)
5	Insertion Loss: (Passband)	3 dB MAX	0.89 dB (See Plot)	0.97 dB (See Plot)	1.03 dB (See Plot)
6	Rejection @ 6 GHz	-40 dBc MIN	-49.5 dBc (See Plot)	-50.1 dBc (See Plot)	-49 dBc (See Plot)

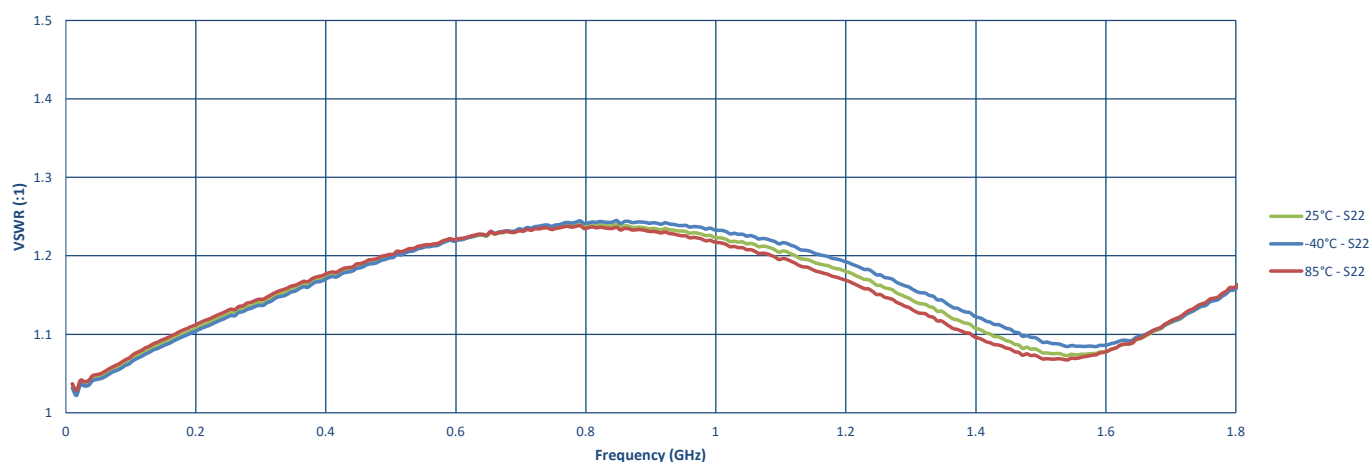


SUMMARY TEST DATA ON QSM-LP-2000-SFF

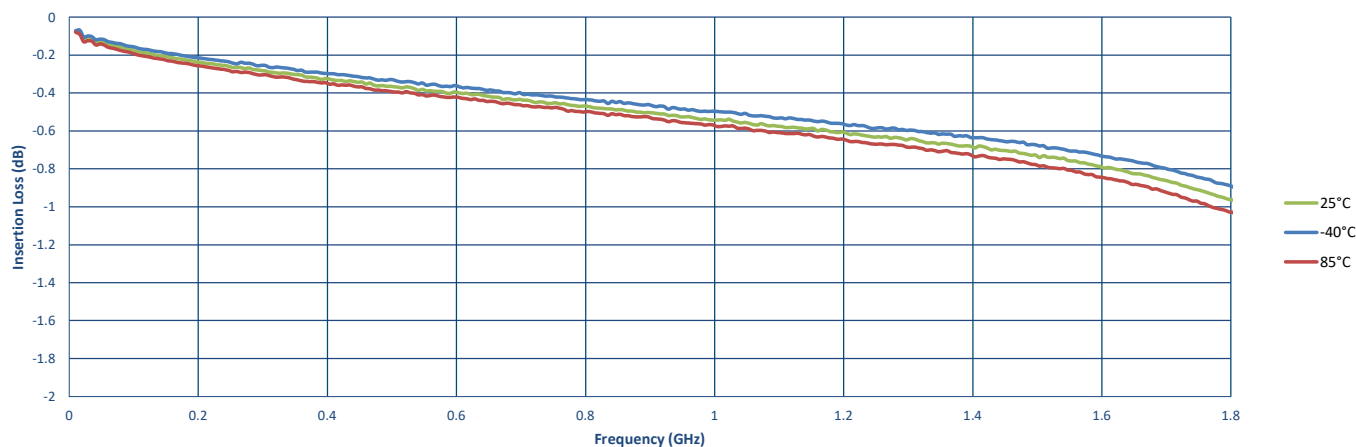
S11 Passband VSWR



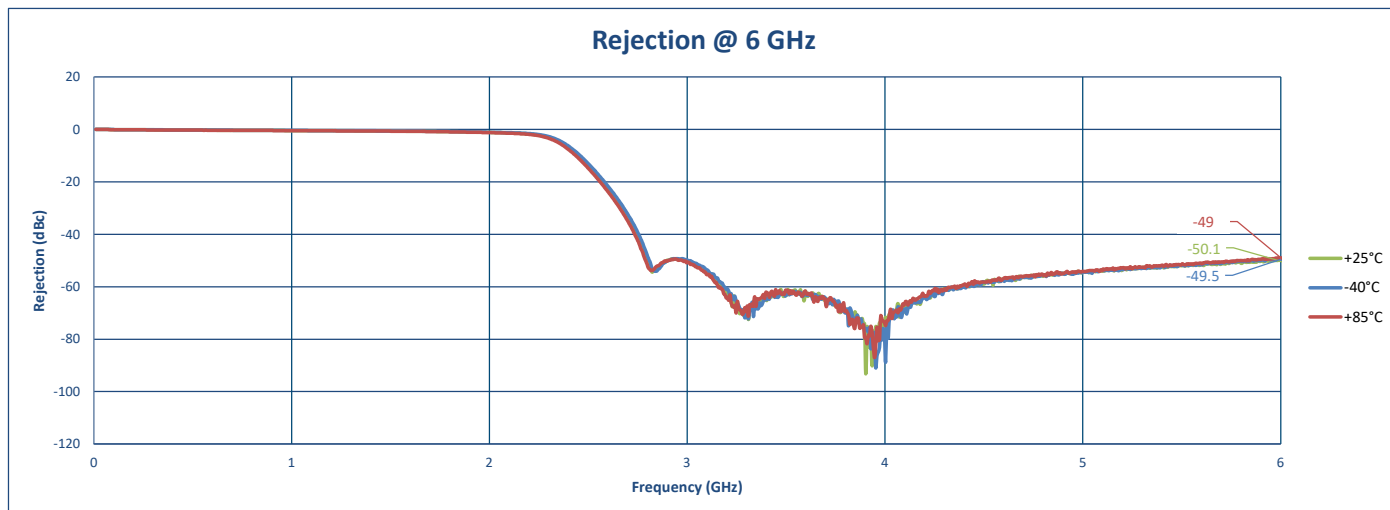
S22 Passband VSWR



Passband Insertion Loss

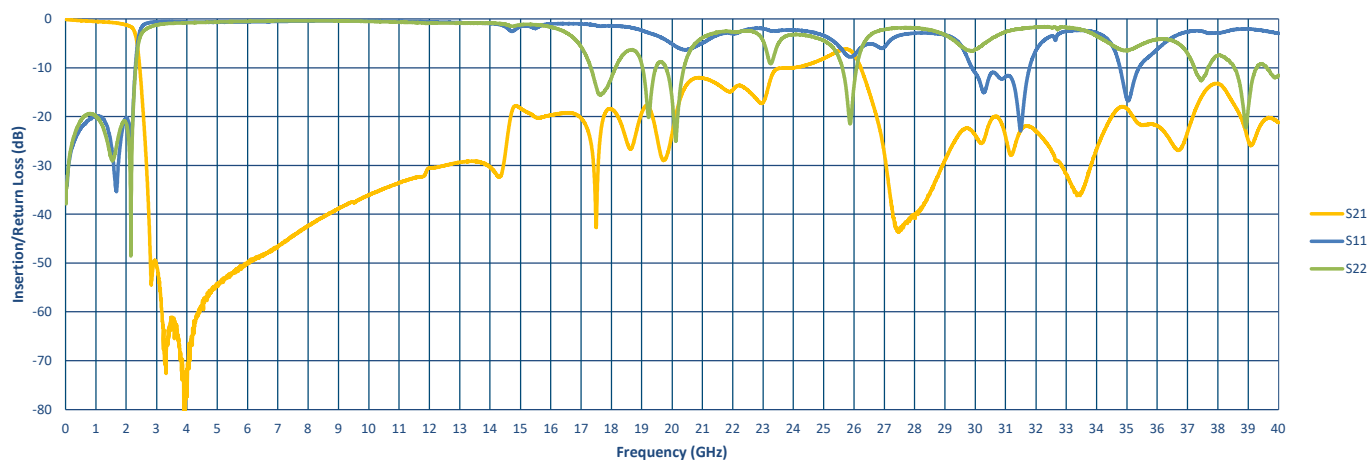


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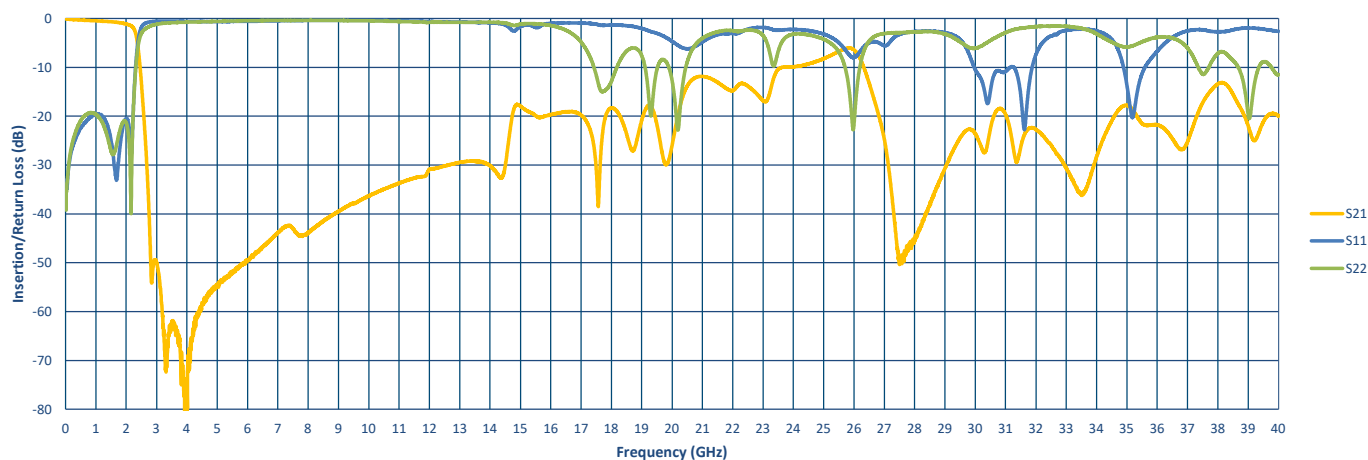


SUMMARY TEST DATA ON QSM-LP-2000-SFF

S-Parameters @ 25°C Extended



S-Parameters @ -40°C Extended



S-Parameters @ 85°C Extended

