

**SUMMARY TEST DATA
ON
QSM-LP-1900-SFF**

PMI MODEL NUMBER QSM-LP-1900-SFF IS A LOW PASS FILTER WITH SMA FEMALE CONNECTORS.



**DESIGNED BY
PMI ENGINEERING**

**REPORTED AND REPORTED BY
R. SIRK**

**DATE
February 18, 2024**

SUMMARY TEST DATA ON QSM-LP-1900-SFF OUTLINE

ZONE	REV.	DESCRIPTION	DATE	APPROV
	A1	ORIGINAL RELEASE	1/24/2024	
	B1	ECN # 25-0081	3/17/2023	

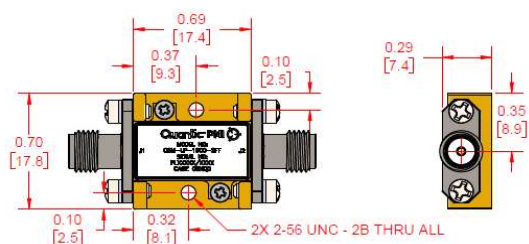
DESCRIPTION:

PMI MODEL NUMBER QSM-LP-1900-SFF IS A LOWPASS FILTER WITH SMA FEMALE CONNECTORS IN AND OUT

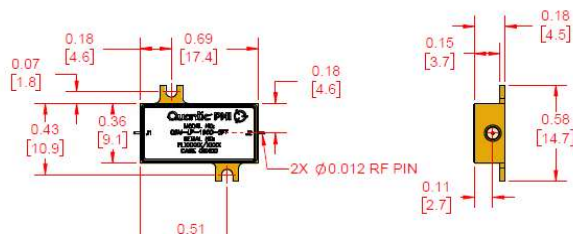
SPECIFICATIONS:

- | | |
|------------------------------|-----------------------|
| • FREQUENCY RANGE: | DC TO 6.0 GHz |
| • PASSBAND: | DC TO 1.9 GHz |
| • 3 dB CUTOFF: | 1.9 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 |

HOUSING WITH CARRIER



HOUSING WITHOUT CARRIER (SURFACE MOUNT)



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

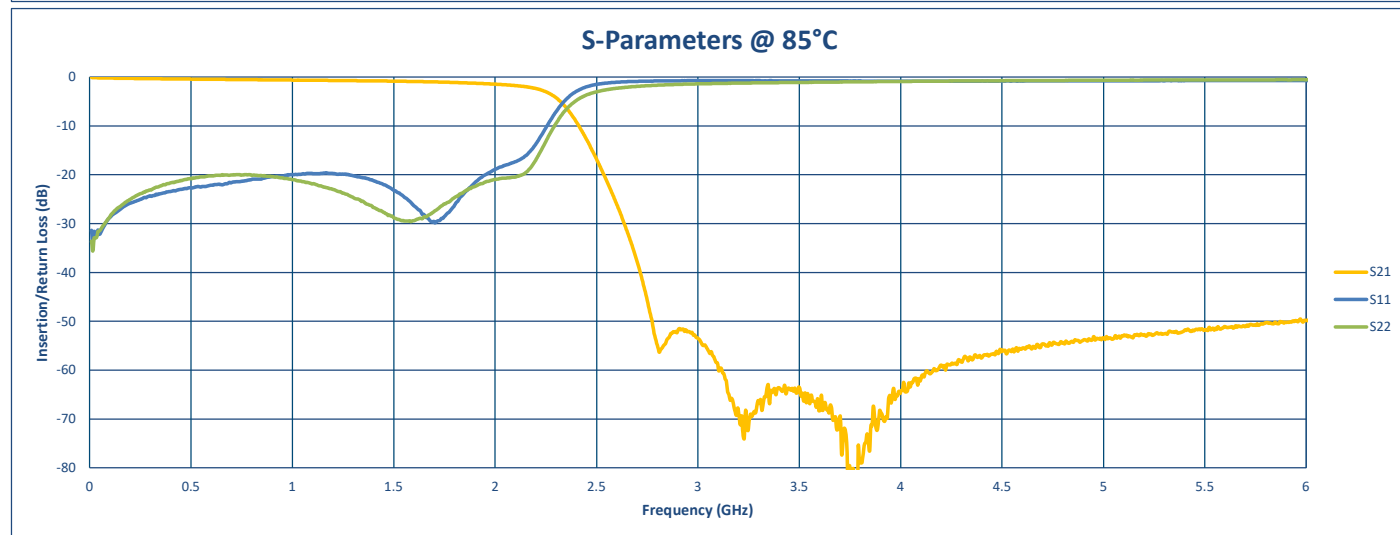
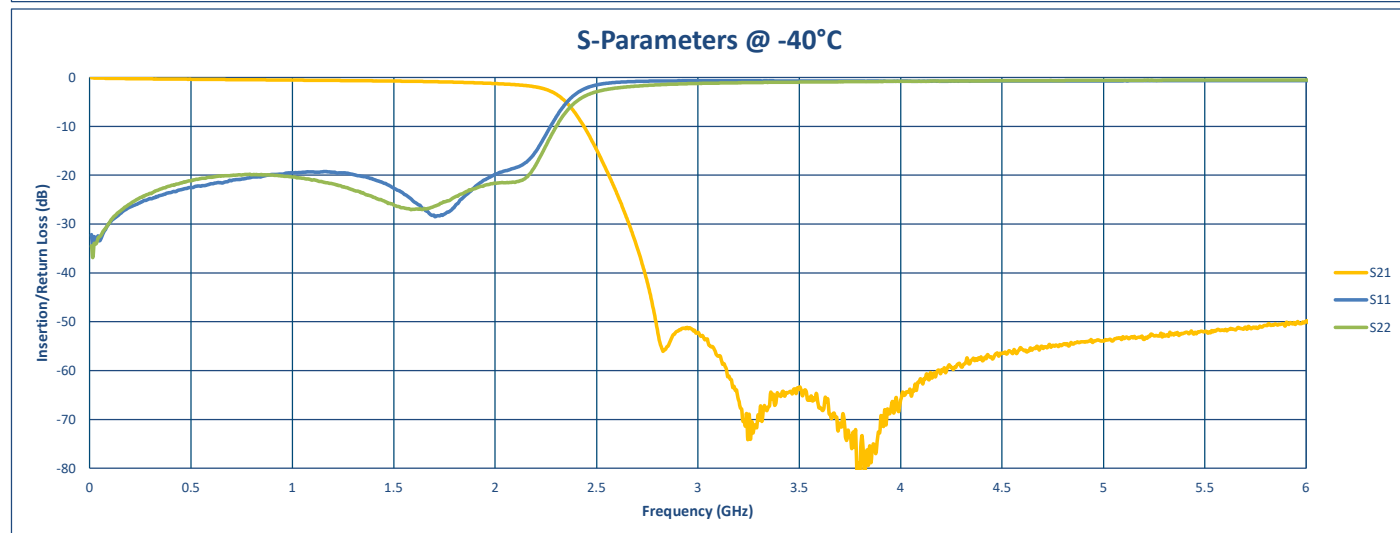
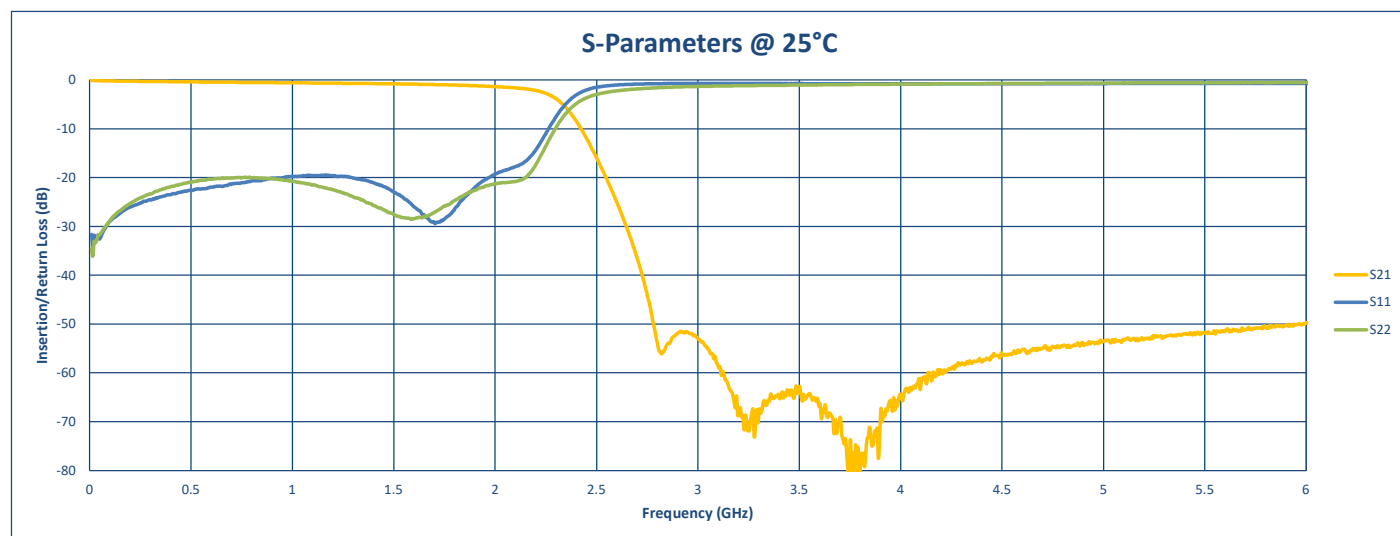
PMI CONFIDENTIAL AND PROPRIETARY

QUANTIC (STANDARD) SPECIFICATIONS FOR IN-REACH TRANSDUCERS AND IN-REACH FRACTIONS (SEMI) - ANALOG (A) 2.0 G (B) 5.0 G		APPROVALS	DATE	Quantic PMI POWER SYSTEMS 7309-A DRIVE ROAD FIVE CENTER MARINE 10704 USA WWW.WEB.QUANTICPMI.COM EMAIL: SALES@QUANTICPMI.COM 800-801-6745 EXT 10	
		DRAFTER R. SIKK MEDIAN	1/24/2010	TITLE OUTLINE GSM-LP-1900-SFF	
ISSUED		SIZE 05XQ0	PCHG NO 27048/100	REV 1	
		SCALE 2-1	SHEET 1 OF 1		

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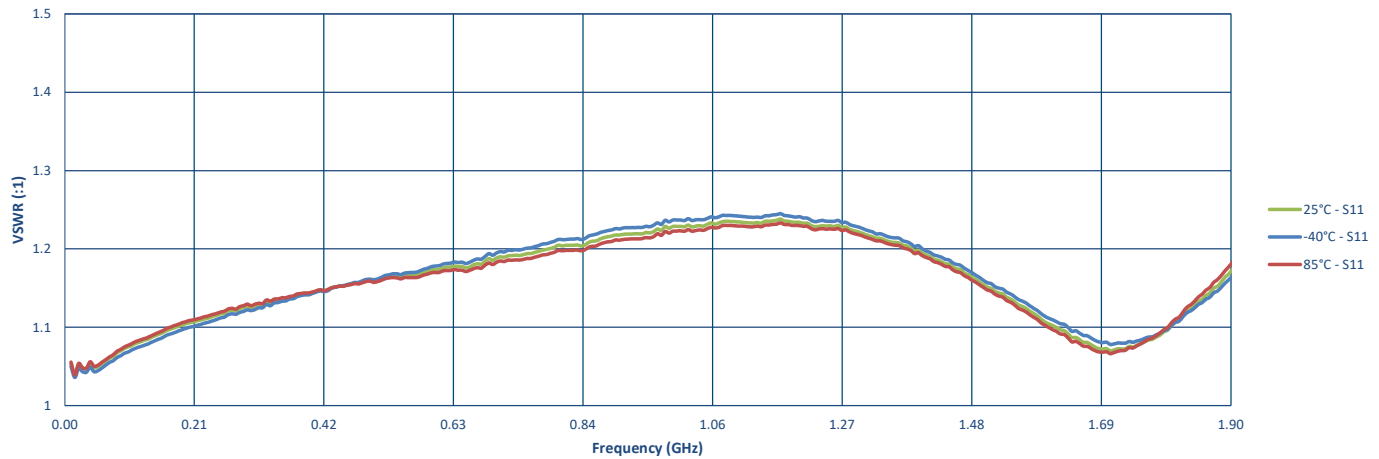
TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	TEST RESULTS		
			-40°C	+25°C	+85°C
1	Frequency Range:	DC to 6.0 GHz	DC to 6.0 GHz		
2	Passband:	DC to 1.9 GHz	DC to 1.9 GHz		
3	3 dB Cutoff:	1900 MHz MIN	2284 MHz	2266 MHz	2253 MHz
4	VSWR: (Passband)	2.0:1 MAX	1.25:1 (See Plot)	1.24:1 (See Plot)	1.23:1 (See Plot)
5	Insertion Loss: (Passband)	3 dB MAX	0.97 dB (See Plot)	1.2 dB (See Plot)	1.13 dB (See Plot)
6	Rejection @ 6 GHz	-40 dBc MIN	-50.1 dBc (See Plot)	-49.6 dBc (See Plot)	-49.8 dBc (See Plot)

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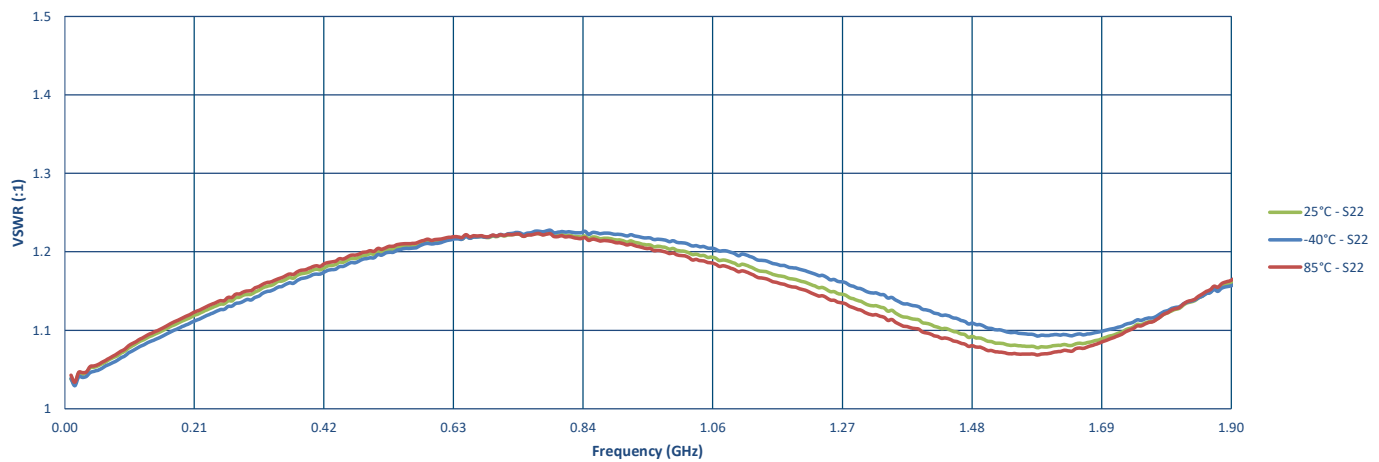


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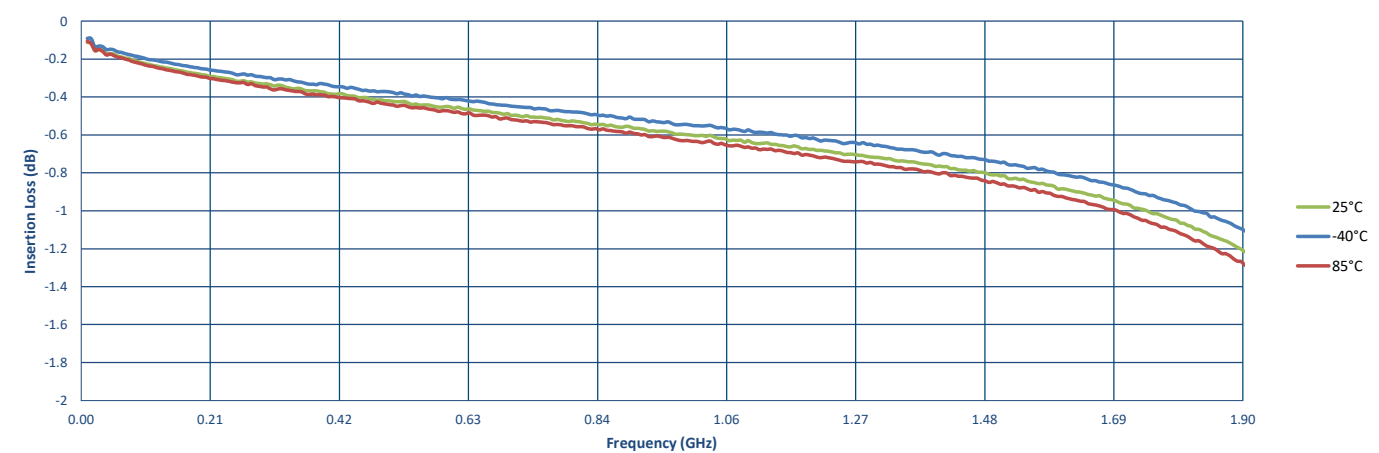
S11 Passband VSWR



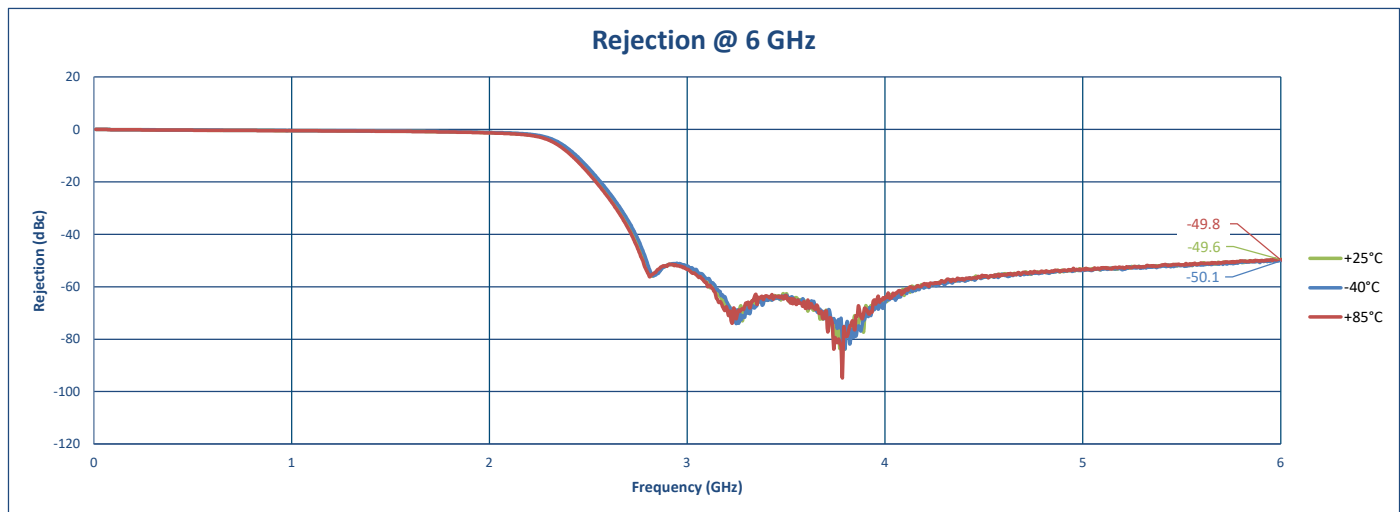
S22 Passband VSWR



Passband Insertion Loss

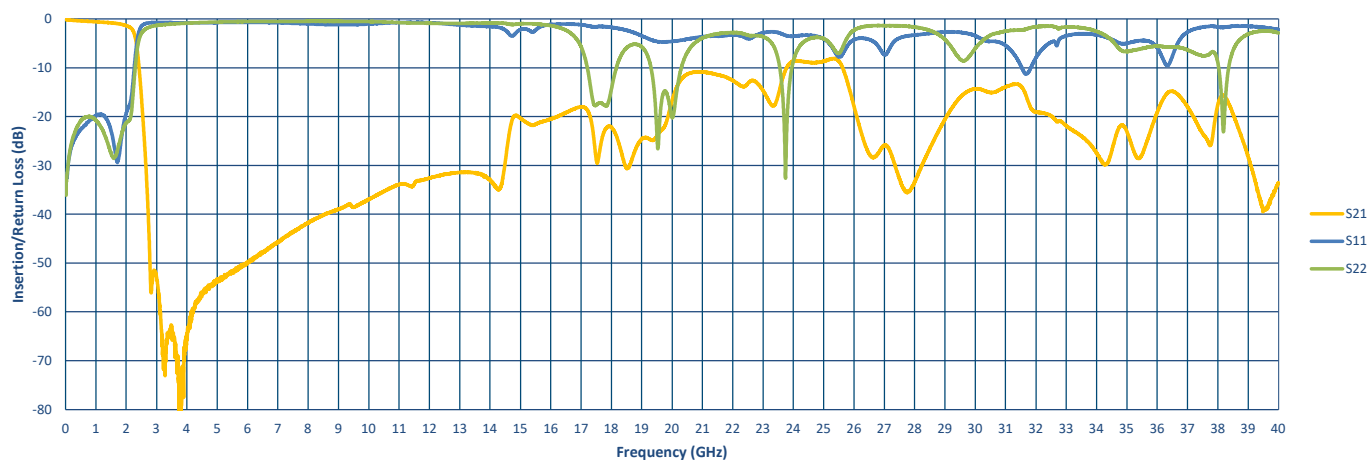


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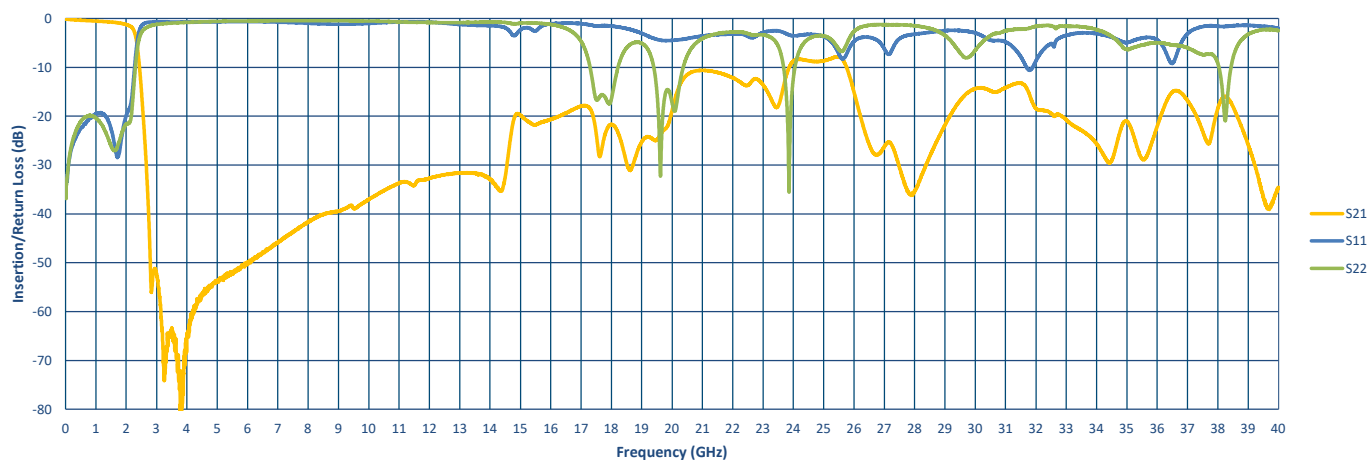


**SUMMARY TEST DATA
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S-Parameters @ 25°C Extended



S-Parameters @ -40°C Extended



S-Parameters @ 85°C Extended

