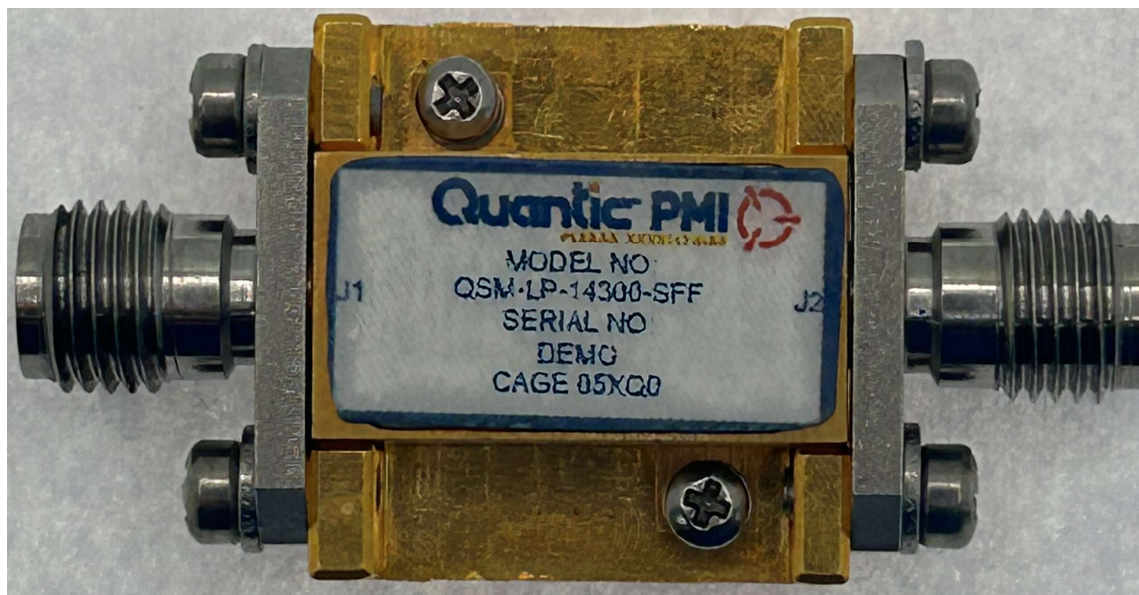


**SUMMARY TEST DATA
ON
QSM-LP-14300-SFF**

PMI MODEL NUMBER QSM-LP-14300-SFF IS A LOW PASS FILTER WITH SMA FEMALE CONNECTORS.



**DESIGNED BY
PMI ENGINEERING**

**DATE
March 12, 2025**

**SUMMARY TEST DATA
ON
QSM-LP-14300-SFF
OUTLINE**

DESCRIPTION:

PMI MODEL NUMBER QSM-LP-14300-SFF IS A LOWPASS FILTER WITH SMA FEMALE CONNECTORS IN AND OUT.

SPECIFICATIONS:

- FREQUENCY RANGE:..... DC TO 18.5 GHz
- PASSBAND:..... DC TO 14.0 GHz
- 3 dB CUTOFF:..... 16.0 GHz MIN
- VSWR (PASSBAND):..... 2.0:1 MAX
- INSERTION LOSS (PASSBAND):..... 3 dB MAX
- REJECTION AT 18.5 GHz:..... -40 dBc MIN
- CONNECTORS:..... SMA FEMALE CONNECTORS
- FINISH:..... GOLD PLATED

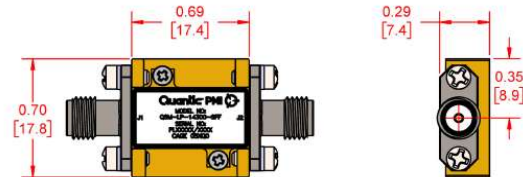
ENVIRONMENTAL RATINGS:

- 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

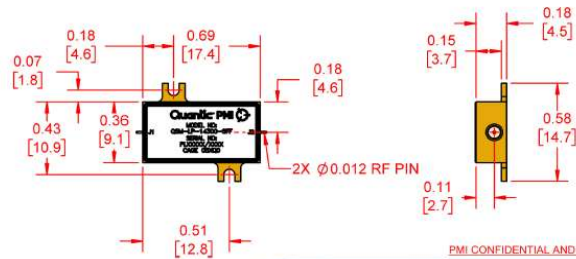
NOTE: SPECIFICATIONS WILL VARY OVER TEMPERATURE
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

| ZONE | REV | DESCRIPTION | DATE | APPROVED |
|------|-----|------------------|-----------|----------|
| | A1 | ORIGINAL RELEASE | 7/23/2014 | |
| | | | | |

HOUSING WITH CARRIER



HOUSING WITHOUT CARRIER (SURFACE MOUNT)



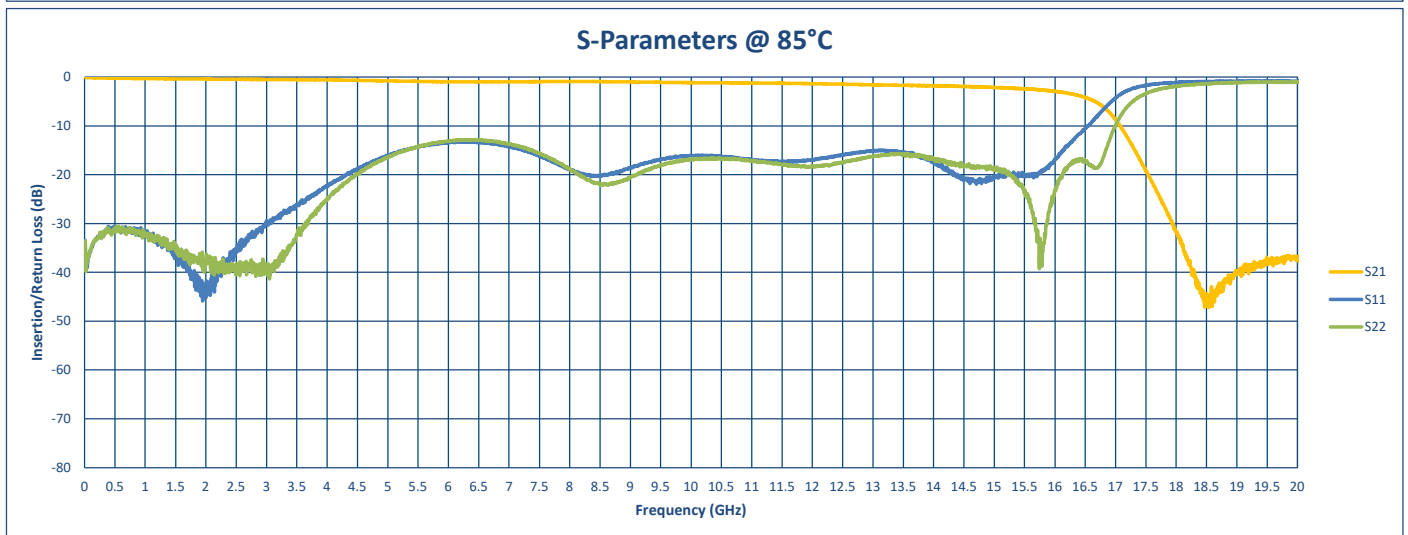
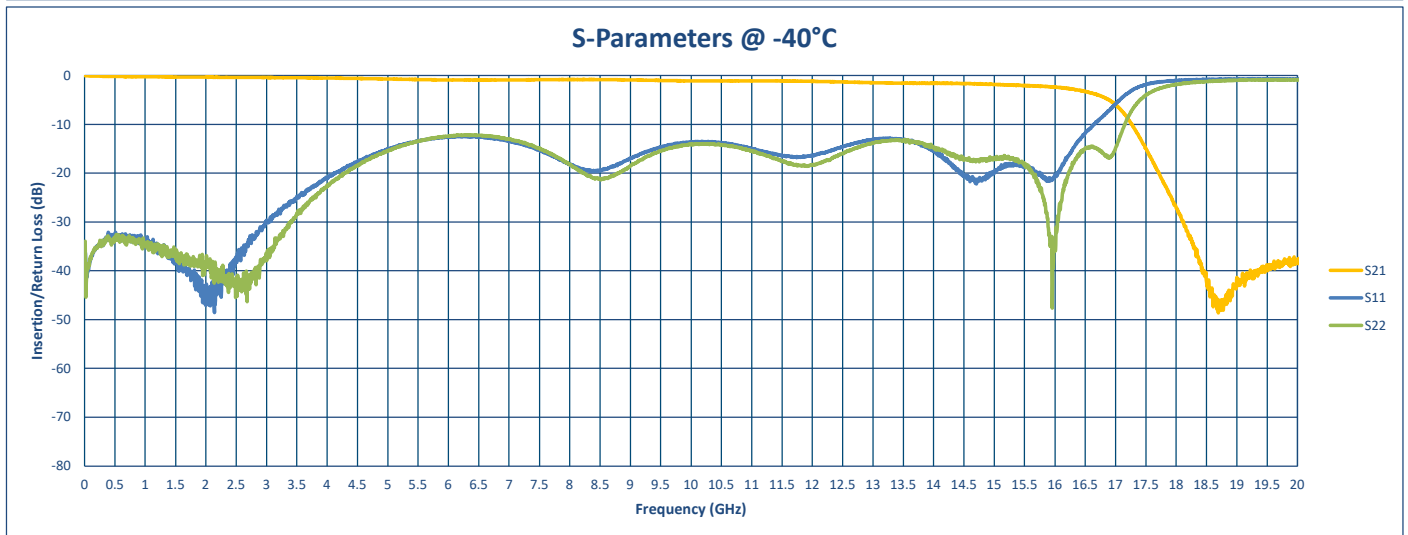
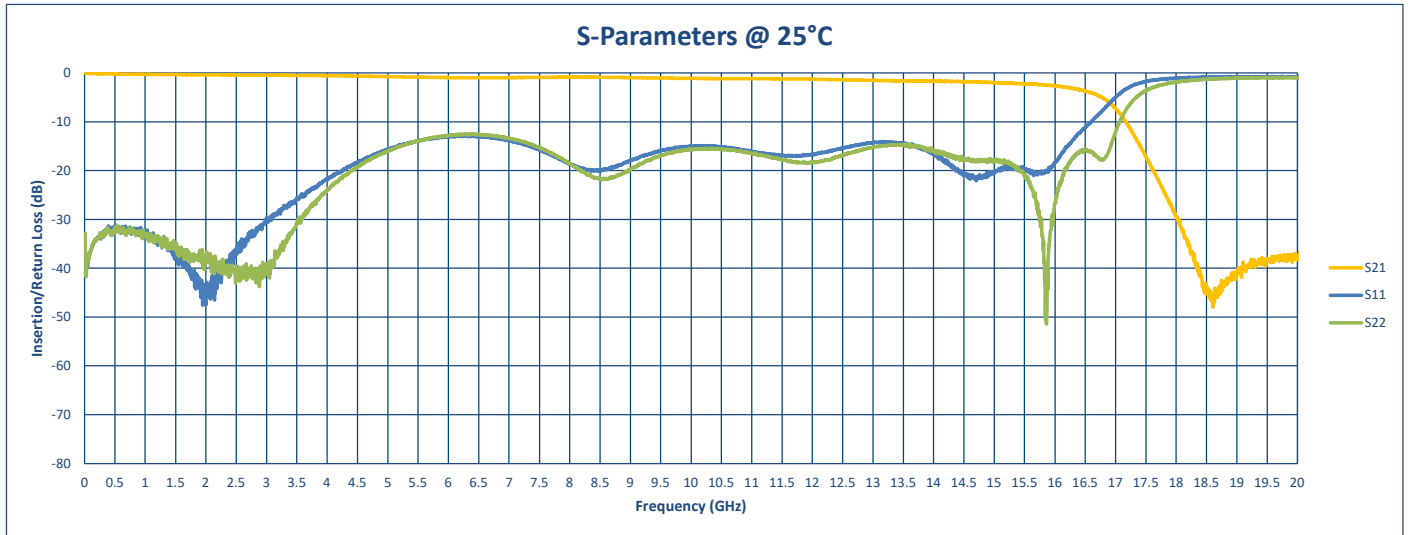
PMI CONFIDENTIAL AND PROPRIETARY

| APPROVALS | | DATE | TITLE | |
|-----------|---------|-----------|---------|-----------------|
| DRAWN | R. SIRK | 7/23/2014 | OUTLINE | |
| ISSUES | | | SIZE | FECSYD: PWS/KRS |
| | | | B | OSX/QG |
| | | | | 27049420 |
| | | | SCALE | 2:1 |
| | | | | SHEET 1 OF 1 |

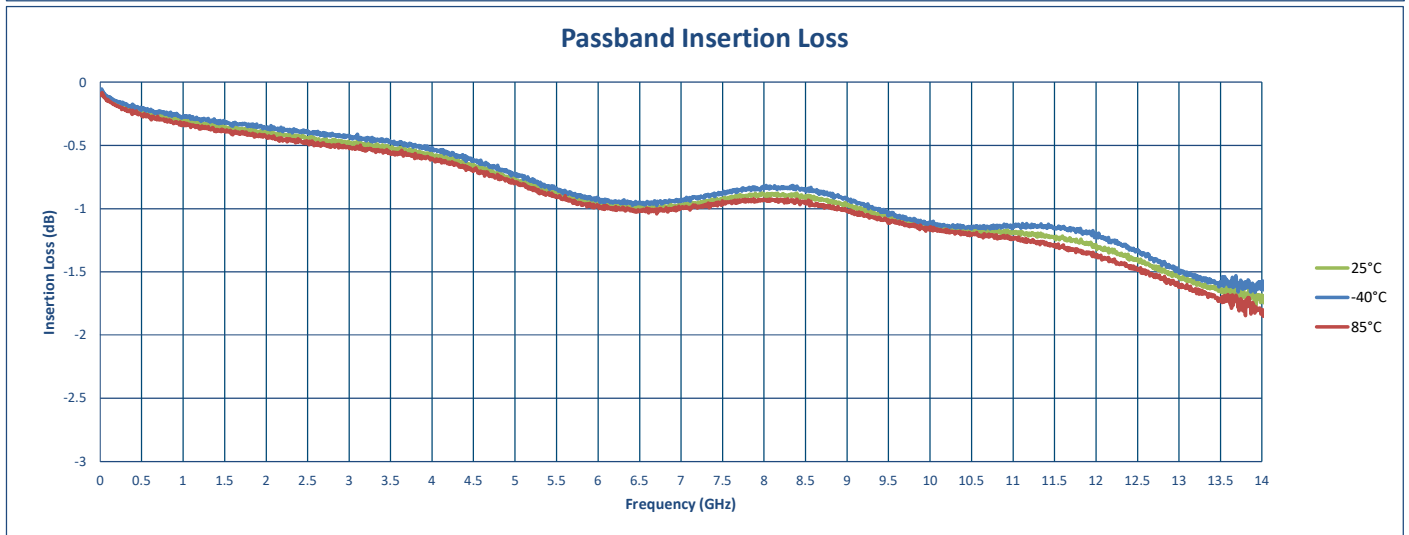
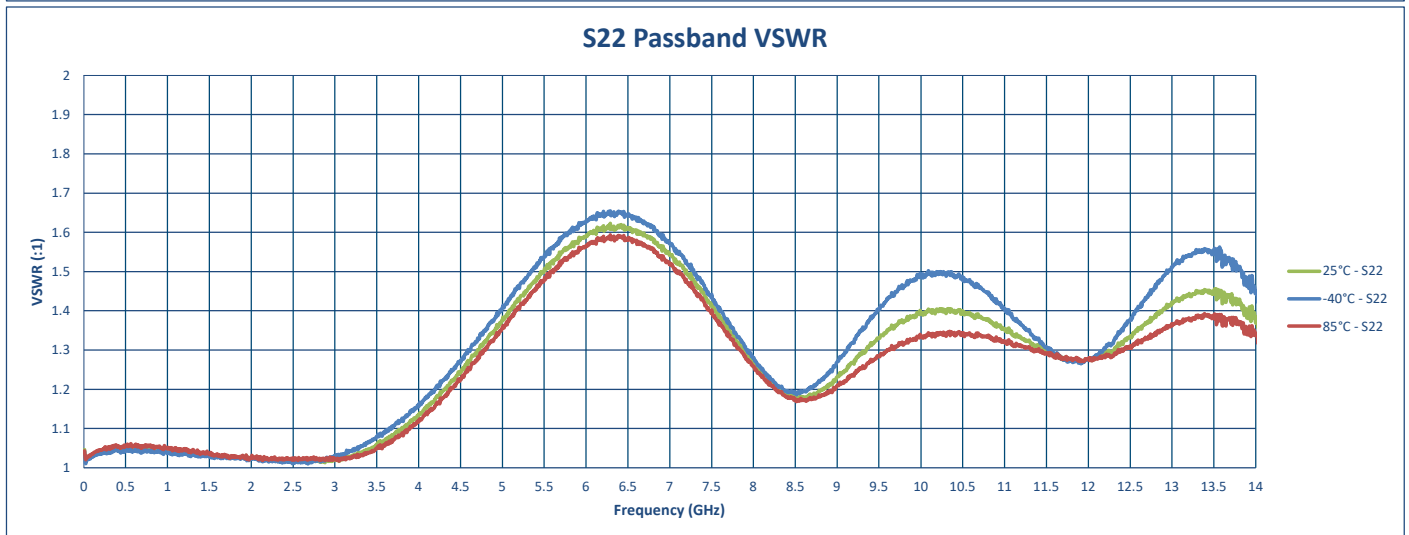
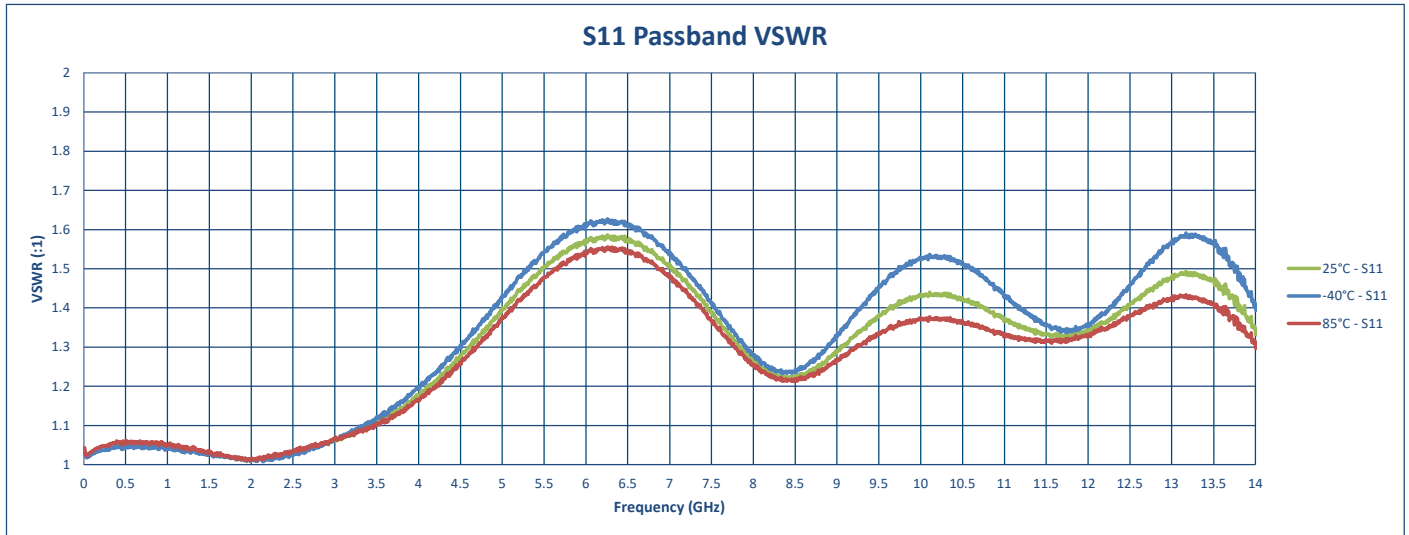
**SUMMARY TEST DATA
ON
QSM-LP-14300-SFF**

| TEST ITEM NO. | PARAMETERS | SPECIFIED VALUE | TEST RESULTS | | |
|---------------|-------------------------------|-----------------|-----------------------|-------------------------|-------------------------|
| | | | -40°C | +25°C | +85°C |
| 1 | Frequency Range: | DC to 18.5 GHz | DC to 18.5 GHz | | |
| 2 | Passband: | DC to 14.0 GHz | DC to 14.0 GHz | | |
| 3 | 3 dB Cutoff: | 16000 MHz MIN | 16418 MHz | 16256 MHz | 16100 MHz |
| 4 | VSWR: (Passband) | 2.0:1 MAX | 1.66:1 (See Plot) | 1.62:1 (See Plot) | 1.59:1 (See Plot) |
| 5 | Insertion Loss: (Passband) | 3 dB MAX | 0.98 dB (See Plot) | 1.77 dB (See Plot) | 1.04 dB (See Plot) |
| 6 | Rejection @ 18.5 GHz | -40 dBc MIN | -43 dBc (See Plot) | -44.1 dBc (See Plot) | -45.4 dBc (See Plot) |

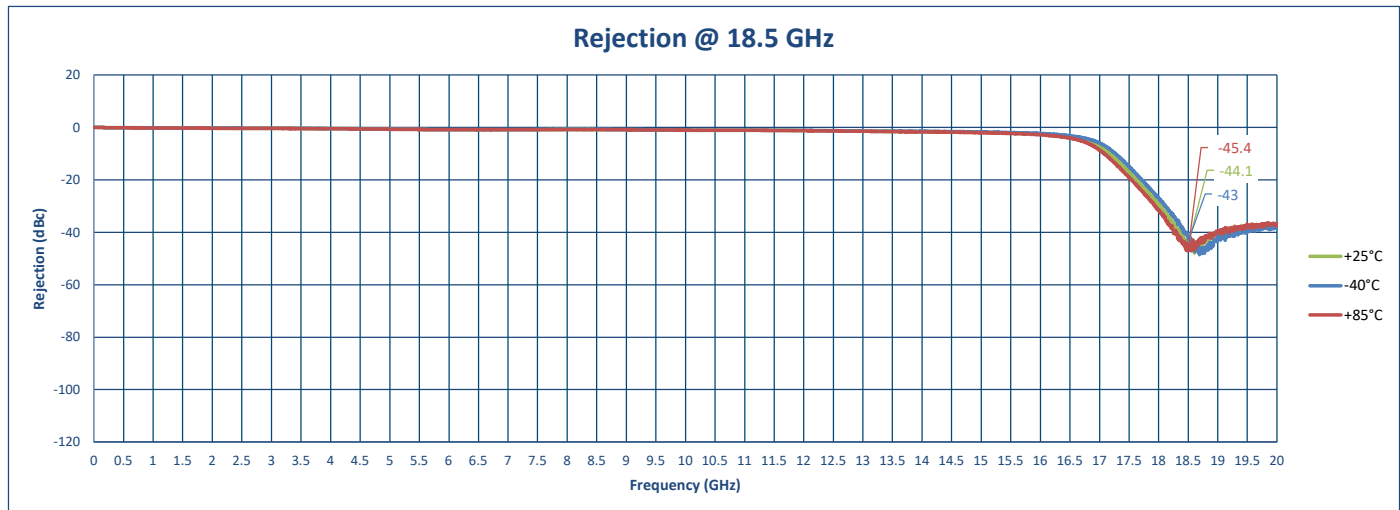
**SUMMARY TEST DATA
 ON
 QSM-LP-14300-SFF**



**SUMMARY TEST DATA
ON
QSM-LP-14300-SFF**



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ON
QSM-LP-14300-SFF**



**SUMMARY TEST DATA
ON
QSM-LP-14300-SFF**

