SUMMARY TEST DATA
ON
SATCOM-0001

PMI MODEL NO. SATCOM-0001 IS A NOTCH FILTER THAT HAS A PASSBAND FROM DC TO 95 MHz AND 395 TO 500 MHz AND A STOPBAND FROM 240 TO 270 MHz

Reported by: M. Laulis

Date: 3/20/25

7309-A Grove Road Frederick, MD 21704 USA Phone: (301)662-5019 FAX: (301)662-1731
Email: sales@quanticpmi.com

SUMMARY TEST DATA
ON
SATCOM-0001

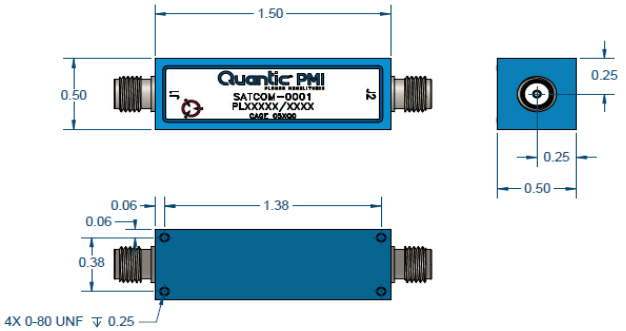
Outline Drawing

DESCRIPTION:
PMI MODEL NO. SATCOM-0001 IS A NOTCH FILTER THAT HAS A PASSBAND FROM DC TO 95 MHz AND 395 TO 500 MHz AND A STOPBAND FROM 240 TO 270 MHz

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	10/29/2004	
	B1	ECN # 25-0103	4/2/2008	

SPECIFICATIONS:

- STOPBAND FREQUENCY RANGE:..... 240 TO 270 MHz
- STOPBAND ATTENUATION:..... 40 dBc MIN
- PASSBAND FREQUENCY RANGE:..... DC TO 95 MHz
  395 TO 500 MHz
- PASSBAND INSERTION LOSS:..... 2 dB MAX
- PASSBAND VSWR:..... 2:1 MAX
- CONNECTORS:..... SMA FEMALE
- FINISH:..... PAINTED BLUE



ENVIRONMENTAL RATINGS:

- TEMPERATURE:..... -40°C TO +85°C (OPERATING)
- ALTITUDE:..... MIL-STD-202, METHOD 105C COND. B
- HUMIDITY:..... MIL-STD-202, METHOD 103B COND. B
- SHOCK:..... MIL-STD-202, METHOD 213B COND. B
- TEMP CYCLE :..... MIL-STD-202, METHOD 107D COND. A
- VIBRATION:..... MIL-STD-202, METHOD 204D COND. B

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

PMI CONFIDENTIAL AND PROPRIETARY

APPROVALS	DATE
DRAWN M.LAULIS	10/29/2004
RELEASED	
ISSUED	

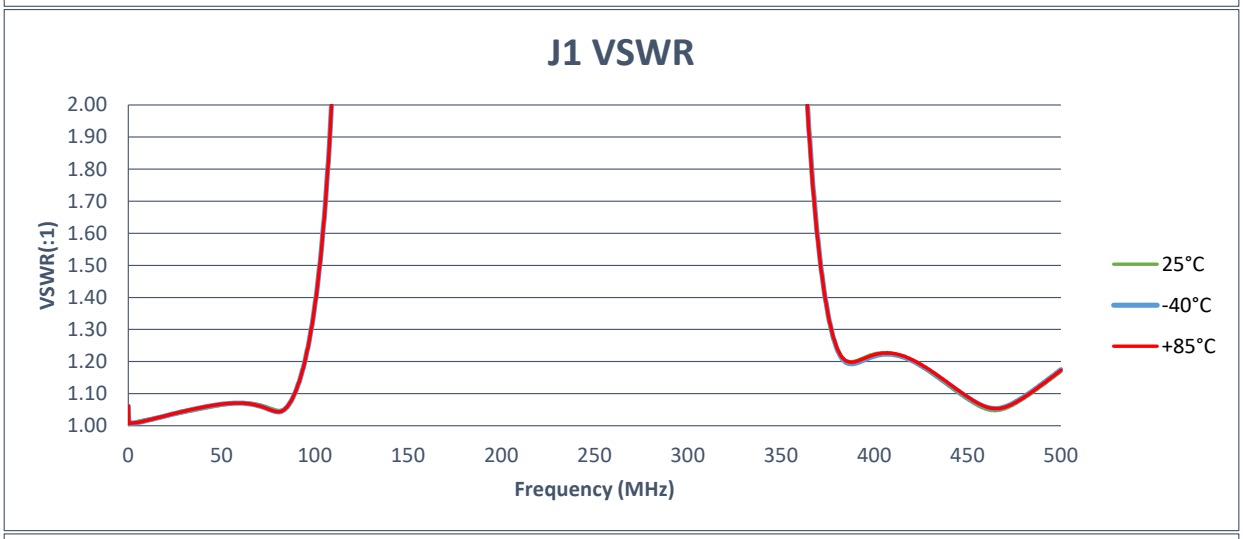
Quantic PMI PLANAR MONOLITHICS
7309-A GROVE ROAD FREDERICK, MD 21704 USA
TEL: (301)662-5019 FAX: (301)662-1731
WEB: WWW.QUANTICPMI.COM EMAIL: SALES@QUANTICPMI.COM
ISO 9001 CERTIFIED

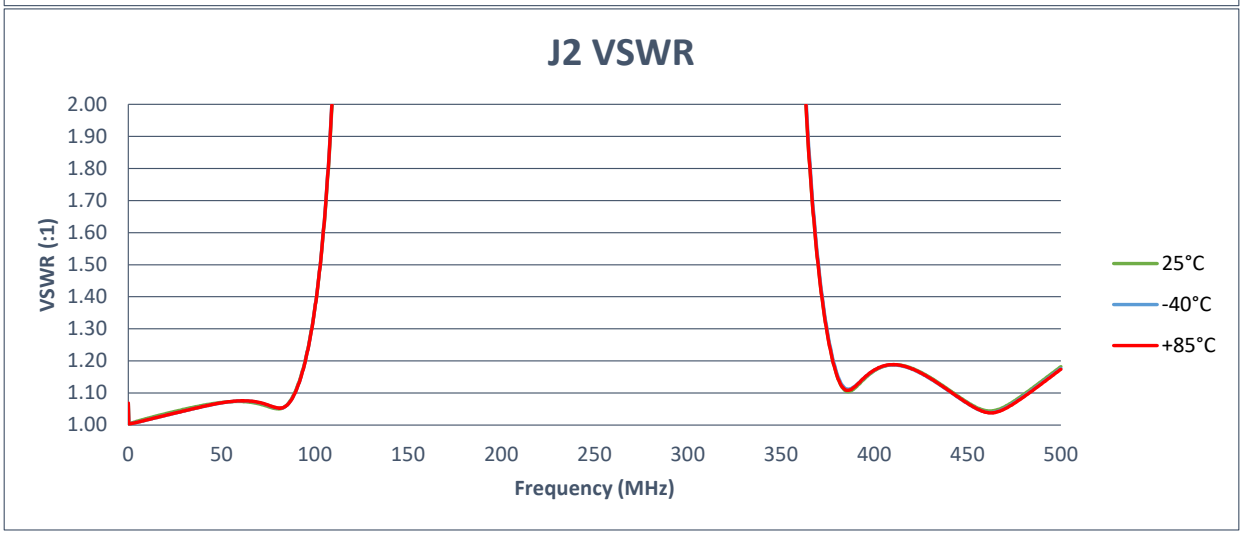
TITLE: OUTLINE
SATCOM-0001
SIZE B | FSCM NO. 05XQ0 | DWG NO. 27049580 | REV. B1
SCALE 2:1 | SHEET 1 OF 1

SUMMARY TEST DATA
ON
SATCOM-0001

TEST ITEM NO:	PARAMETERS	SPECIFIED VALUE	MEASURED		
			25°C	-40°C	+85°C
1	Stopband Frequency Range	240 to 270 MHz	240 MHz TO 270 MHz		
2	Stopband Attenuation	40 dBc MIN	53.48 dBc	53.51 dBc	53.55 dBc
3	Passband Frequency Range	DC to 95 MHz 395 to 500 MHz	DC TO 95 MHz 395 TO 500 MHz		
4	Passband VSWR	2:1 MAX	1.2 :1 @ DC TO 95 MHz	1.2 :1 @ DC TO 95 MHz	1.2 :1 @ DC TO 95 MHz
			1.2 :1 @ 395 TO 500 MHz	1.2 :1 @ 395 TO 500 MHz	1.2 :1 @ 395 TO 500 MHz
5	Passband Insertion Loss	7 dB MAX	0.01 dB @ DC TO 95 MHz	0.01 dB @ DC TO 95 MHz	0.01 dB @ DC TO 95 MHz
			0.22 dB @ 395 TO 500 MHz	0.17 dB @ 395 TO 500 MHz	0.19 dB @ 395 TO 500 MHz

SUMMARY TEST DATA
ON
SATCOM-0001





7309-A Grove Road Frederick, MD 21704 USA Phone: (301)662-5019 FAX: (301)662-1731
Email: sales@quanticpmi.com