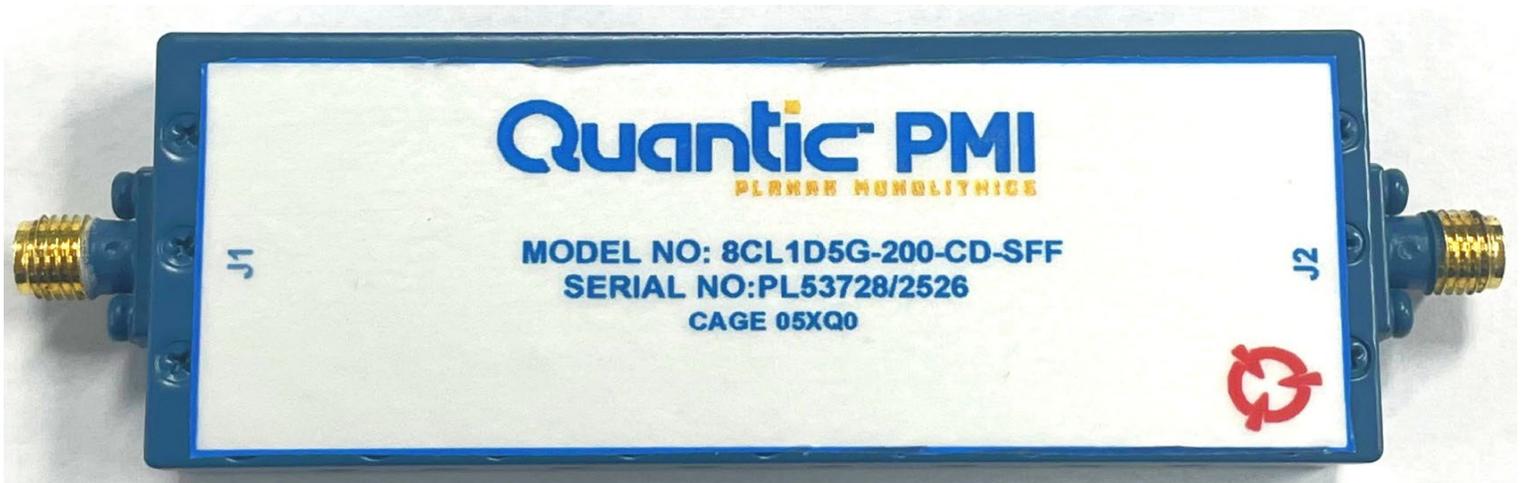


PMI MODEL: 8CL1D5G-200-CD-SFF IS A COMBLINE FILTER WITH SMA FEMALE CONNECTORS IN AND OUT.



Designed By: MATT LAULIS

Date: 6/27/2025

TYPICAL CHARACTERISTICS

ON

8CL1D5G-200-CD-SFF

PRODUCT FEATURE

DESCRIPTION:

PMI MODEL: 8CL1D5G-200-CD-SFF IS A COMBLINE FILTER WITH SMA FEMALE CONNECTORS IN AND OUT.

SPECIFICATIONS:

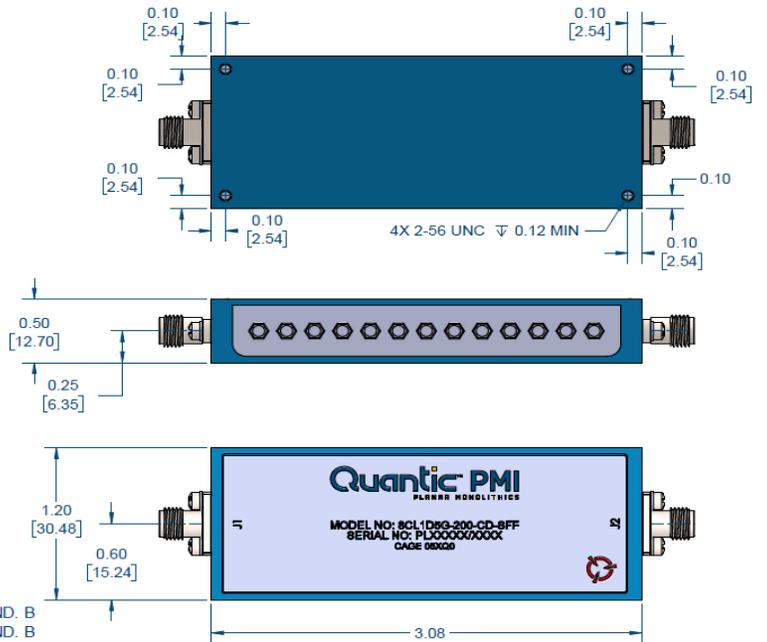
- PASSBAND FREQUENCY:..... 1.4 TO 1.6 GHz
- INSERTION LOSS (PASSBAND):..... 2.0 dB MAX
- VSWR:..... 1.5:1 MAX
- REJECTION @ 0.1 -1.0 GHz:..... 80 dB MIN
- REJECTION @ 2.0 - 3.0 GHz:..... 80 dB MIN
- INPUT POWER:..... 10 W MAX
- CONNECTORS:..... SMA FEMALE
- FINISH:..... PAINTED BLUE
- SIZE:..... 3.08" X 1.20" X 0.5"
- WEIGHT:..... 1 OZ. TYP

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
- ALTITUDE:..... MIL-STD-202, METHOD 105C COND. B
- TEMPERATURE CYCLE:..... MIL-STD-202, METHOD 107D COND. A

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

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	4/18/2022	

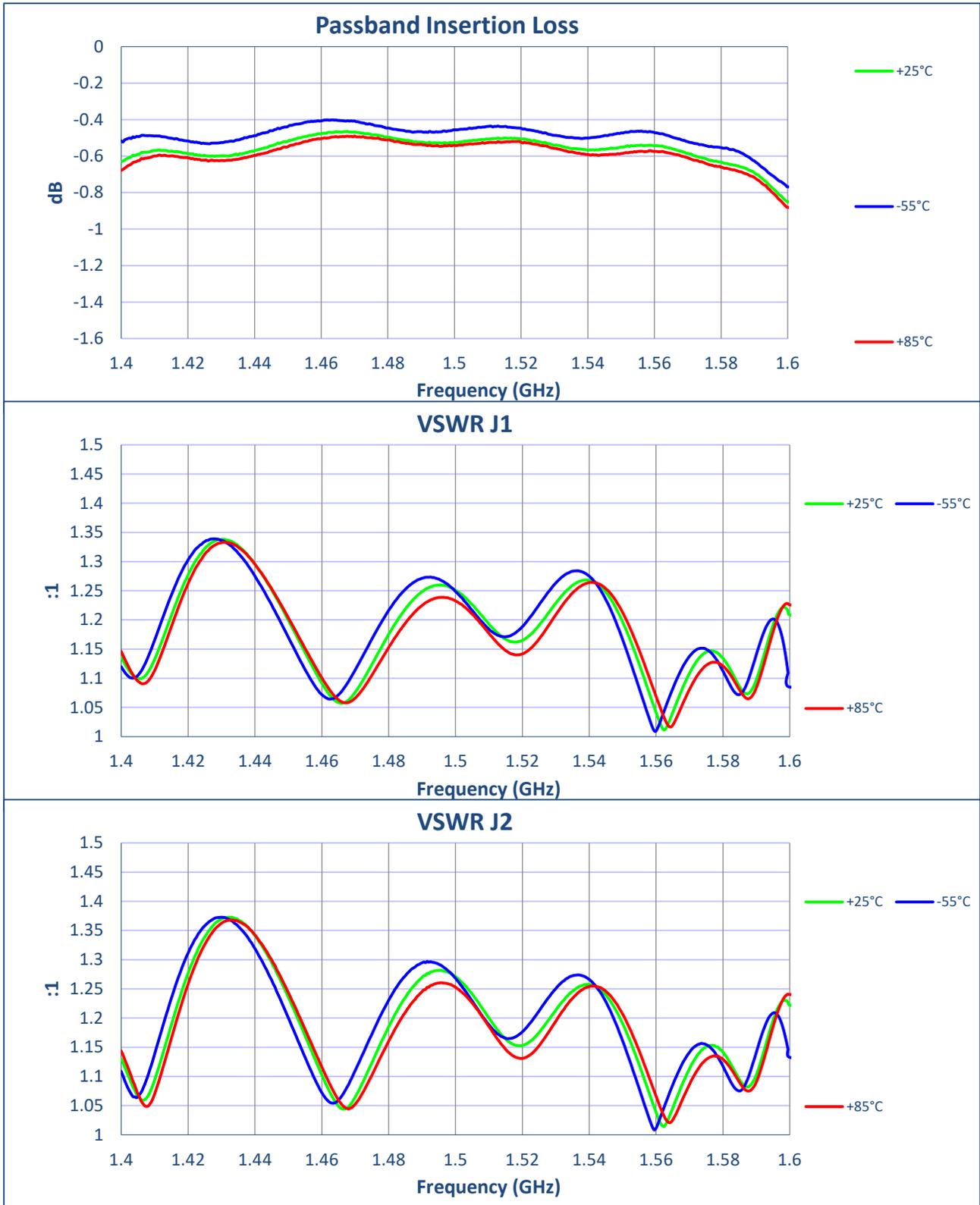


PMI CONFIDENTIAL AND PROPRIETARY

<small>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES FRACTIONS DECIMALS ANGLES INCHES 25.4MM 1/16 0.0625 30 90 ° ' " ° 0.001 0.01</small>		Quantic PMI PLANAR MONOLITHICS 7309-A GROVE ROAD, FREDERICK, MARYLAND 21704 USA TEL: (301)662-5019 FAX: (301)662-1731 WEB: WWW.QUANTICPMI.COM EMAIL: SALES@QUANTICPMI.COM ISO 9001 CERTIFIED	
APPROVALS	DATE	TITLE	REV.
DRAWN M. LAULIS	4/18/2022	OUTLINE	A1
DESIGNED		8CL1D5G-200-CD-SFF	
ISSUED		SIZE: PFCM NO: 05XQ0	DATE: 27051420
SCALE: 1:1		SHEET 1 OF 1	

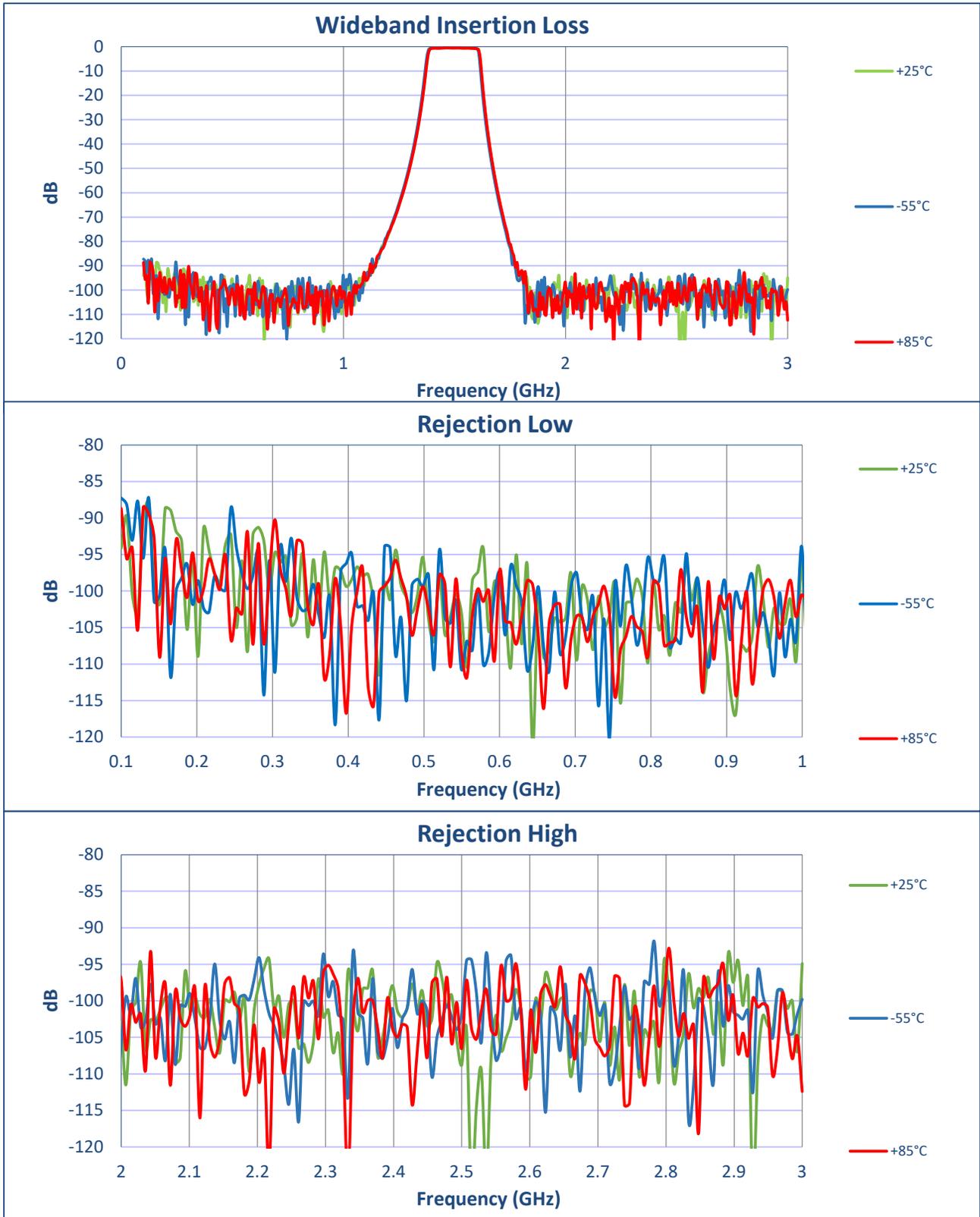
TEST DATA

TEST ITEM	PARAMETERS	SPECIFIED VALUE	TEST RESULTS		
			25°C	-55°C	85°C
1	Passband Frequency Range	1.4 TO 1.6 GHz	1.4 TO 1.6 GHz	1.4 TO 1.6 GHz	1.4 TO 1.6 GHz
2	VSWR	1.5:1 Max.	1.37:1	1.37:1	1.37:1
3	Insertion Loss	2.0 dB Max.	0.85 dB	0.77 dB	0.88 dB
4	Rejection	80 dBc Min. 0.1 - 1 GHz	87.8 dBc	87.23 dBc	88.55 dBc
5	Rejection	80 dBc Min. 2 - 3 GHz	93.59 dBc	91.82 dBc	92.79 dBc
6	Input Power	10 W Max.	10 W	10 W	10 W



ON

8CL1D5G-200-CD-SFF



High Power Test Graph @ 1.5 GHz

