

TYPICAL CHARACTERISTICS  
ON  
8CL6D9G-200-CD-SFF

PMI MODEL: 8CL6D9G-200-CD-SFF IS A COMBLINE BANDPASS FILTER WITH SMA FEMALE CONNECTORS IN AND OUT.



DATE:  
3/25/2026  
TESTED BY:  
KEVIN C.  
REPORTED BY:  
MATT L.

# TYPICAL CHARACTERISTICS ON 8CL6D9G-200-CD-SFF

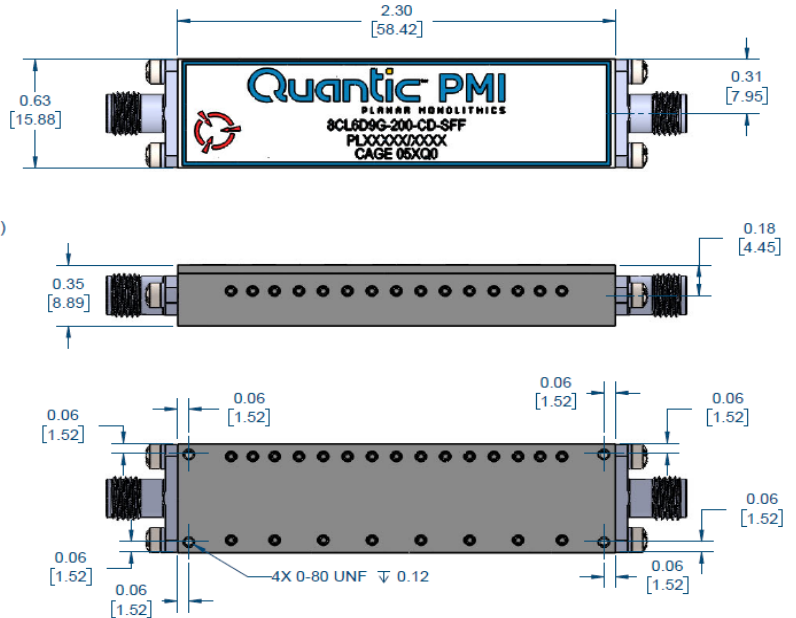
## OUTLINE DRAWING

**DESCRIPTION:**  
PMI MODEL: 8CL6D9G-200-CD-SFF IS A COMBLINE BANDPASS FILTER WITH SMA FEMALE CONNECTORS IN AND OUT.

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	10/2020	

**SPECIFICATIONS @ 25°C:**

- CENTER FREQUENCY:..... 6900 MHz
- 3dB BANDWIDTH:..... 200 MHz
- INSERTION LOSS (PASSBAND):..... 2 dB MAX
- VSWR:..... 1.5:1 MAX
- REJECTION @ 6700 MHz:..... 40 dBc MIN
- REJECTION @ 7100 MHz:..... 40 dBc MIN
- REJECTION FROM 7200 TO 15500 MHz:..... 60 dBc MIN
  
- CONNECTORS:..... SMA FEMALE
- SIZE:..... 2.30" (L) X 0.625" (W) X 0.35" (H)
- WEIGHT:..... 1 OZ. TYP
- FINISH:..... SILVER 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
- 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

PMI CONFIDENTIAL AND PROPRIETARY

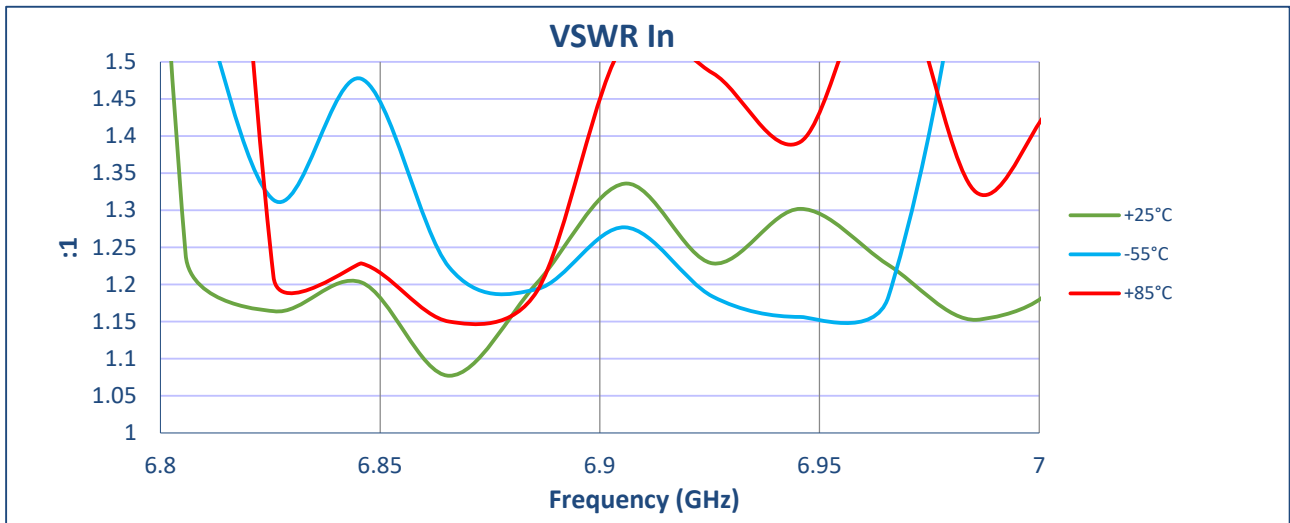
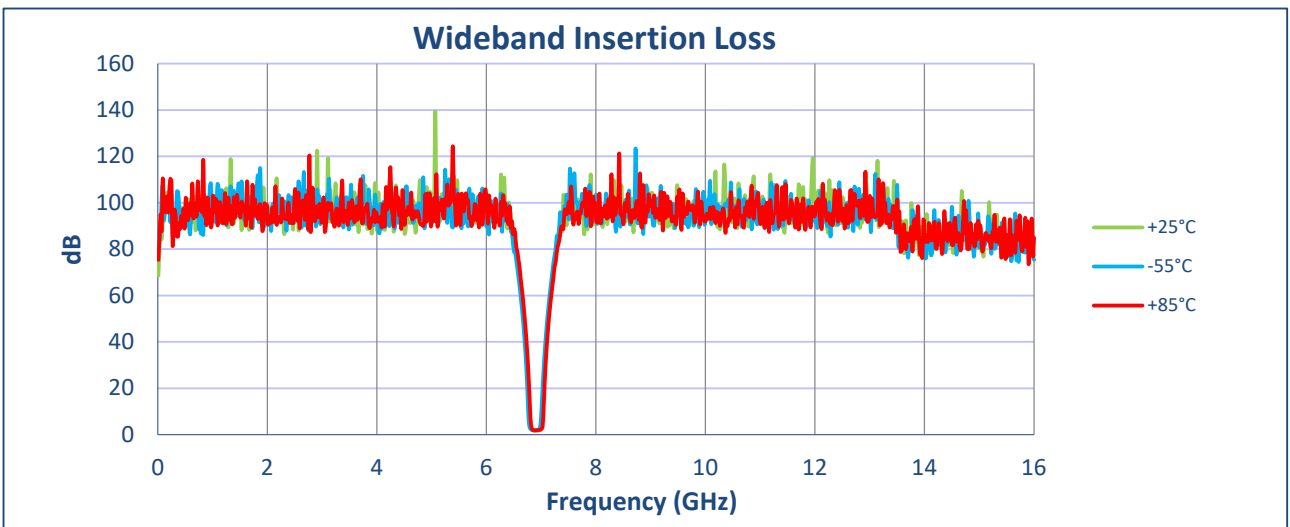
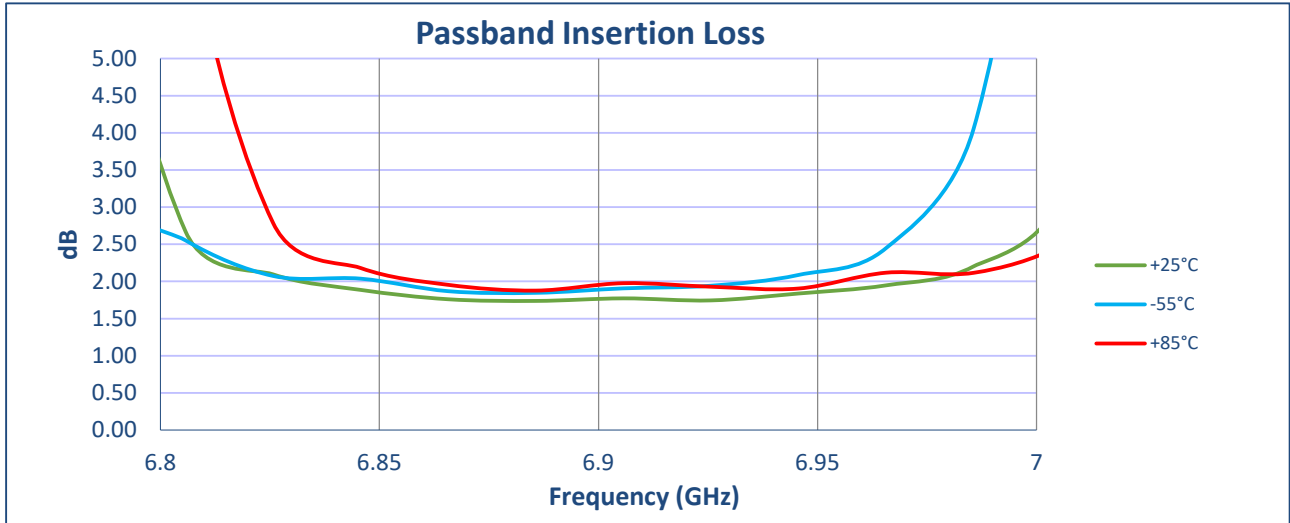
APPROVALS		DATE	TITLE	
DRAWN	M. LAULIS	10/19/2020	OUTLINE	
REISSUED			SIZE	REV.
			B	A1
PARTS LIST			QTY	REV.
			1	1
SCALE			2:1	SHEET 1 OF 1

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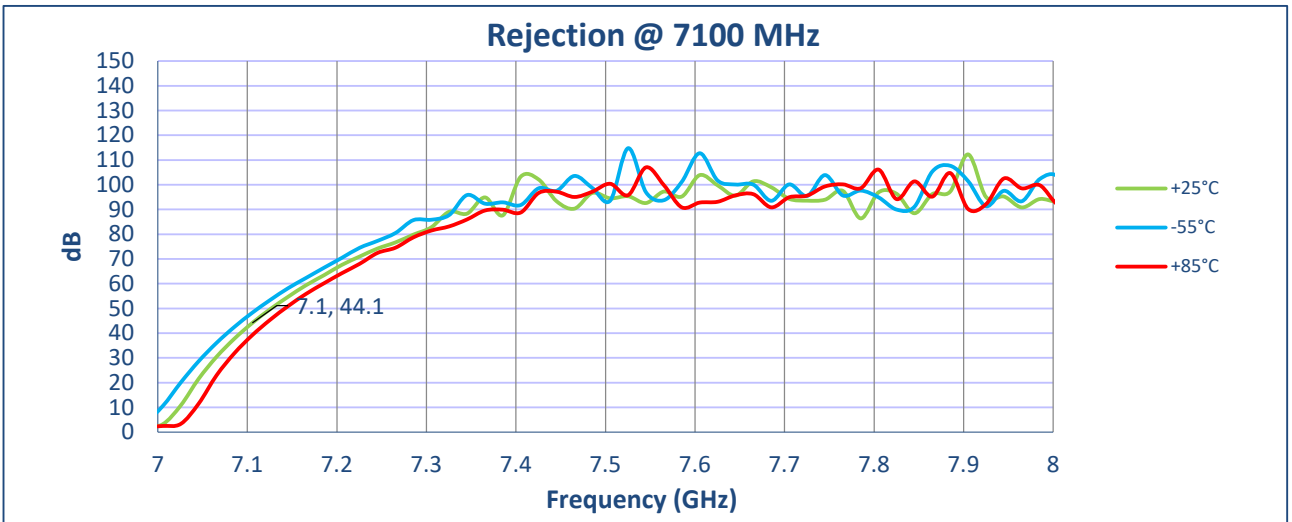
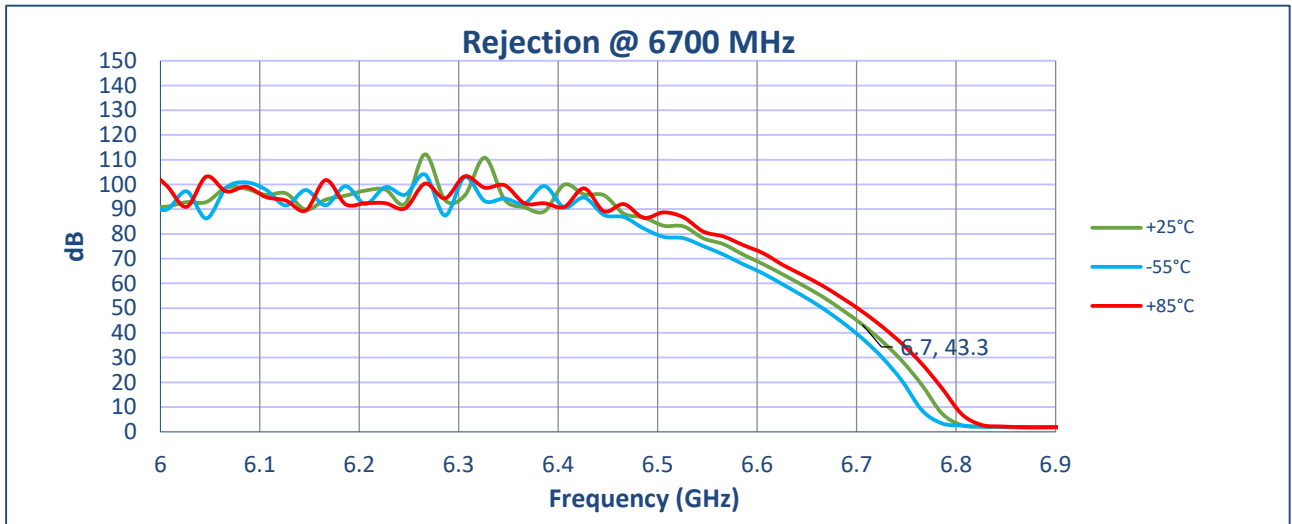
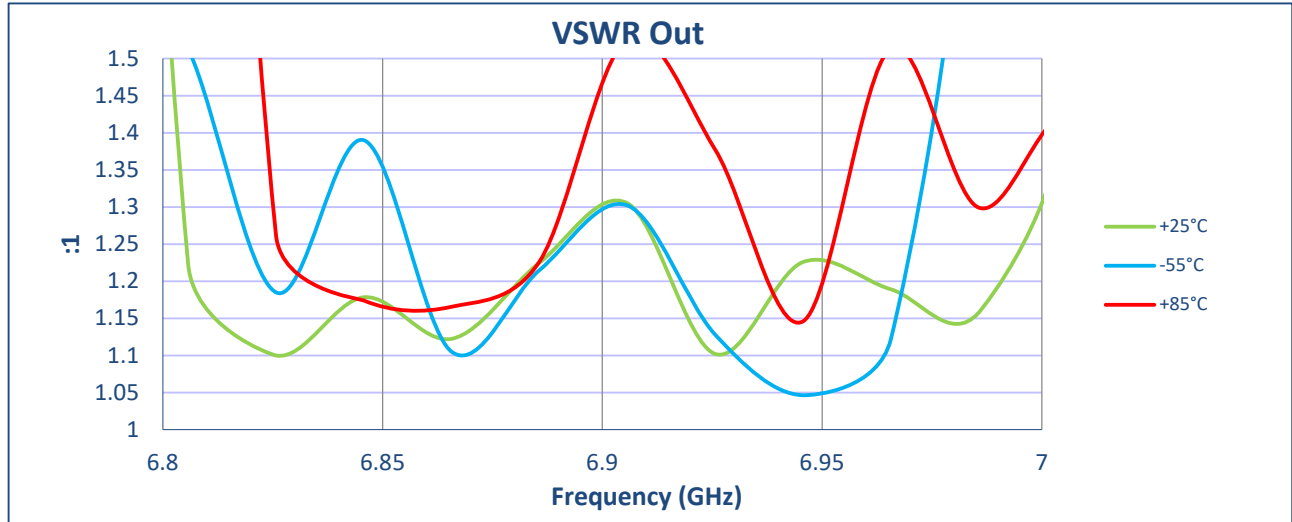
**TECHNICAL SPECIFICATIONS**

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE @ 25°C	TEST RESULTS		
			+25°C	-55°C	+85°C
1	Center Frequency	6900 MHz	<b>6900 MHz</b>		
2	3 dB Bandwidth	200 MHz	<b>200 MHz</b>		
3	Insertion Loss (Passband)	2 dB Max.	<b>-1.7 dB</b>	<b>-1.8 dB</b>	<b>-1.9 dB</b>
4	VSWR	1.5:1 Max.	<b>1.3:1</b>	<b>1.3:1</b>	<b>1.6:1</b>
5	Rejection	40 dBc Min. @ 6700 MHz	<b>43.3 dBc</b>	<b>-37.7 dBc</b>	<b>-48.6 dBc</b>
6	Rejection	40 dBc Min. @ 7100 MHz	<b>44.1 dBc</b>	<b>-48.3 dBc</b>	<b>-39.2 dBc</b>
7	Rejection	60 dBc Min. @ 7200 to 15500 MHz	<b>118.6 dBc</b>	<b>-123.4 dBc</b>	<b>-64.2 dBc</b>

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