

**TYPICAL CHARACTERISTICS
ON
5CL6D8G-100-CD-SMM**

PMI MODEL: 5CL6D8G-100-CD-SMM IS A COMBLINE FILTER WITH SMA MALE CONNECTORS IN AND OUT. ALL FILTERS WILL BE MACHINED AND SILVER PLATED TO PROVIDE THE HIGHEST POSSIBLE Q



REPORTED BY Hugo G.
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DATE 9/26/2024

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PRODUCT FEATURE**

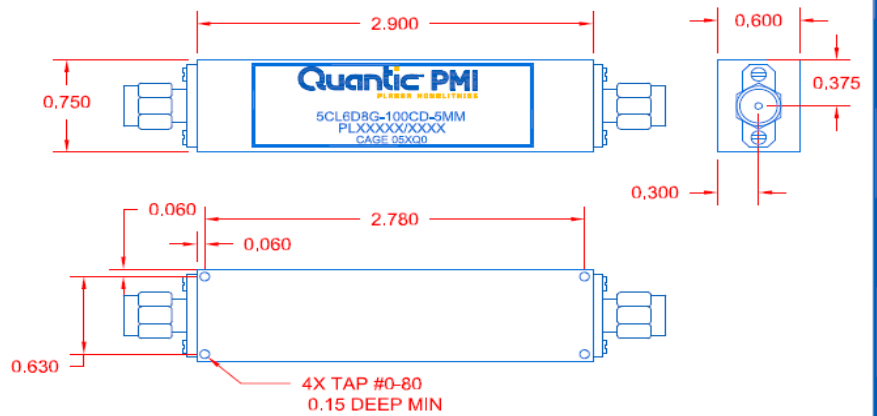
DESCRIPTION

PMI MODEL: 5CL6D8G-100-CD-SMM IS A COMBINE FILTER WITH SMA MALE CONNECTORS IN AND OUT. ALL FILTERS WILL BE MACHINED AND SILVER PLATED TO PROVIDE THE HIGHEST POSSIBLE Q

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	07/08/24	
	B1	ECN # 24-0313	11/01/24	

SPECIFICATIONS

- CENTER FREQUENCY: 6,8 GHz
- 3dB BANDWIDTH: 100 MHz MIN
- VSWR IN THE PASSBAND: 1.5:1 MAX
- INSERTION LOSS(PASSBAND): 1,5 dB MAX
- REJECTION @ 6.92 GHz: 20 dB MIN
- REJECTION @ 6,69 GHz: 20 dB MIN
- REJECTION @ 6,989 GHz: 40 dB MIN
- REJECTION @ 6.603 GHz: 40 dB MIN
- SIZE: 2.90"(L) X 0.60" (W) X 0.75" (H)
- CONNECTORS: SMA MALE
- WEIGHT: 1 OZ. TYP
- FINISH: PAINTED BLUE



PMI CONFIDENTIAL AND PROPRIETARY

ENVIRONMENTAL RATINGS:

- TEMPERATURE: -55°C TO +85°C (OPERATING)
-65°C TO +125°C (STORAGE)
- HUMIDITY: MIL-STD-202F, METHOD 103B COND. B
- SHOCK: MIL-STD-202F, METHOD 213B COND. B
- VIBRATION: MIL-STD-202F, METHOD 204D COND. B
- ALTITUDE: MIL-STD-202F, METHOD 105C COND. B
- TEMPERATURE CYCLE: MIL-STD-202F, METHOD 107D COND. A

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ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE			REV.
		07/08/24	OUTLINE 5CL6D8G-100-CD-SMM			B1
DRAWN	MDL		SIZE	PSOM NO.	DWG NO.	
REDRAWN			A	05XQ0	27049060	
ISSUED			SCALE	N:S	SHEET	1 OF 1

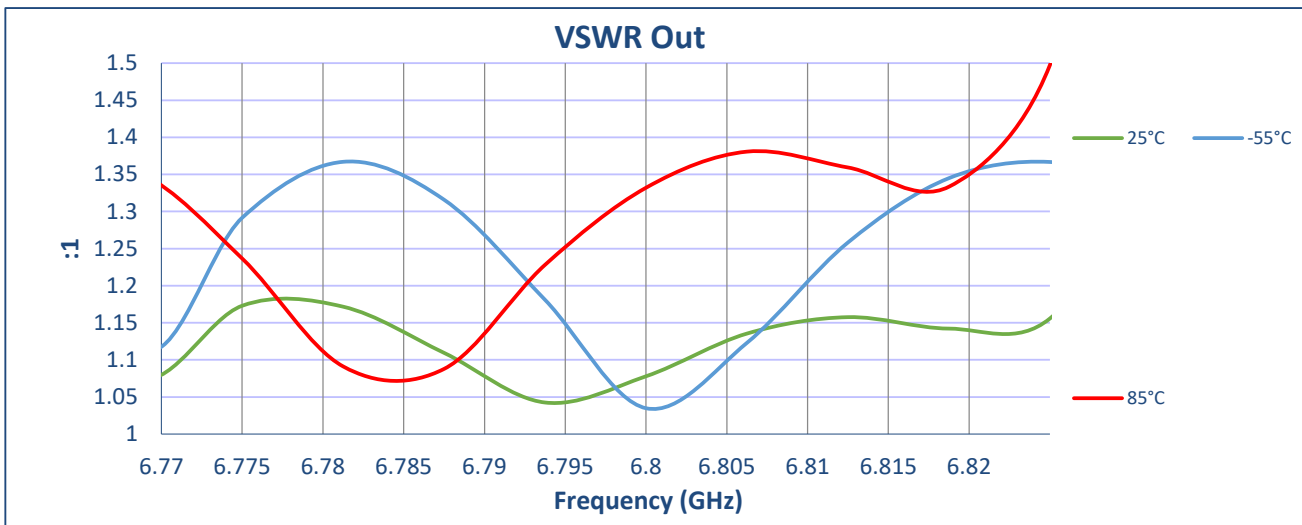
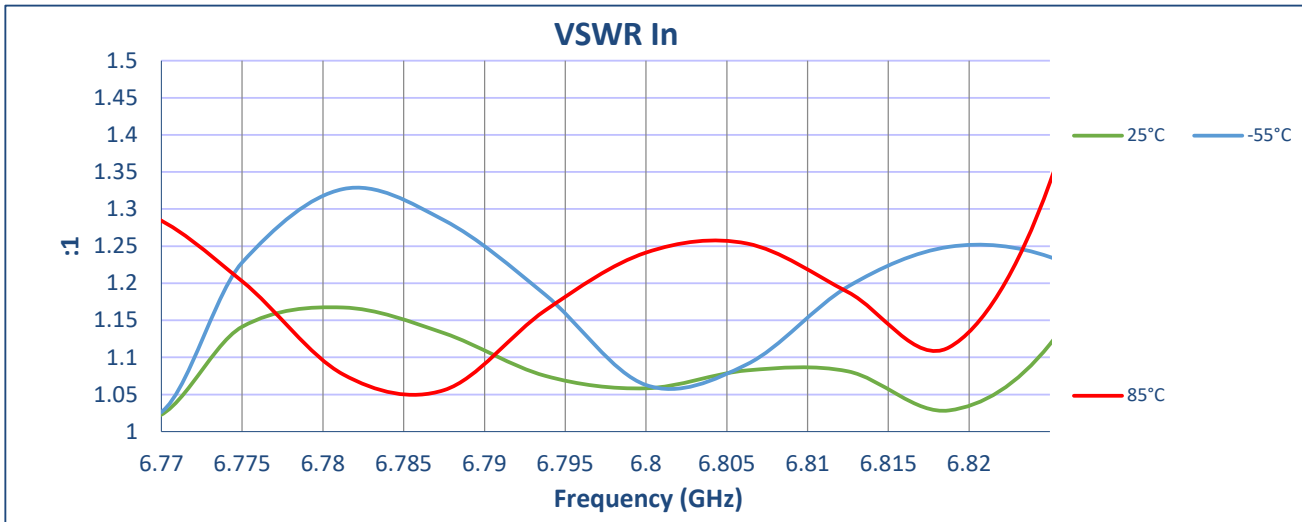
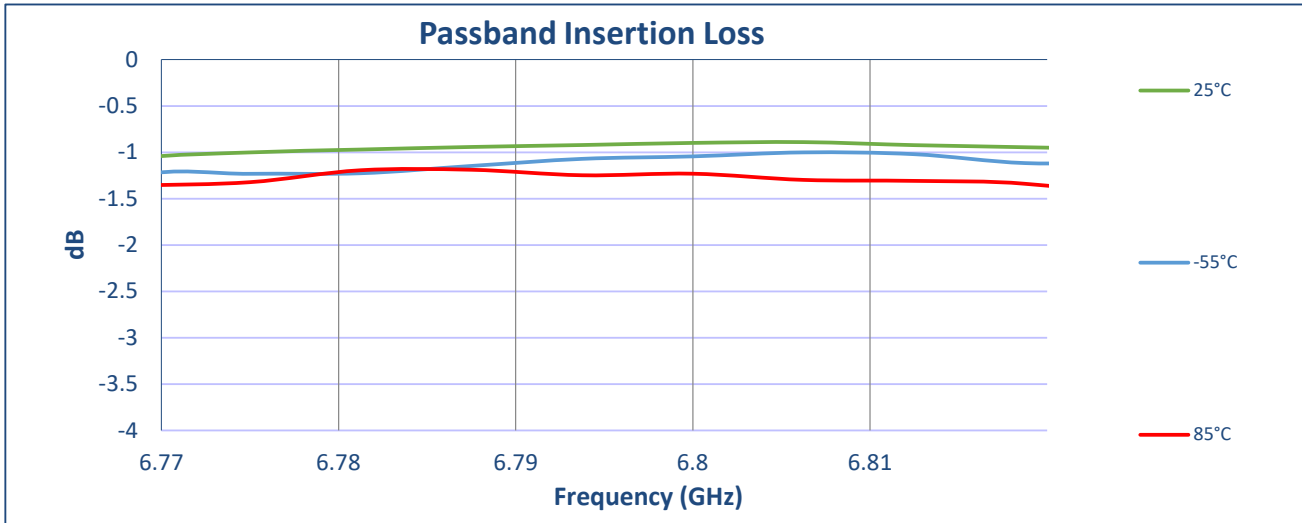
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TEST DATA

TEST ITEM	PARAMETERS	SPECIFIED VALUE	TEST RESULTS		
			25°C	-55°C	+85°C
1	Center Frequency	6.8 GHz	6.8 GHz		
2	3dB Bandwidth	100 MHz MIN	112.5 MHz	112.5 MHz	106.2 MHz
3	VSWR	1.5:1 Max.	1.17:1	1.37:1	1.5:1
4	Insertion Loss (Passband)	1.5 dB Max.	0.89 dB	1 dB	1.19 dB
5	Rejection	20 dB Min. @ 6.92 GHz	27.3 dB	25.2 dB	29.9 dB
6	Rejection	20 dB Min. @ 6.69 GHz	26.9 dB	29.5 dB	24.2 dB
7	Rejection	40 dB Min. @ 6.989 GHz	43.3 dB	41.1 dB	44.9 dB
8	Rejection	40 dB Min. @6.603 GHz	49.3 dB	51.2 dB	48.1 dB

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