



TYPICAL CHARACTERISTICS ON 8CL10G-200-CD-SFF

PMI MODEL 8CL10G-200-CD-SFF IS A COMBLINE FILTER WITH SMA FEMALE CONNECTORS IN AND OUT. THIS UNIT OFFERS A HIGH Q AND LOW INSERTION LOSS.



DESIGNED BY: PMI ENGINEERING
TESTED BY: PMI
REPORTED BY: IRADA COSSIO
DATE: 09/4/2026

7309-A Grove Road Frederick, MD 21704 USA Phone: (301)662-5019 Fax: (301)662-1731

Email: sales@quanticpmi.com

Page 1 of 6

TYPICAL CHARACTERISTICS

ON

8CL10G-200-CD-SFF

PRODUCT FEATURE

DESCRIPTION:

PMI MODEL NUMBER 8CL10G-200-CD-SFF IS A COMBLINE FILTER WITH SMA FEMALE CONNECTORS IN AND OUT. THIS UNIT OFFERS HIGH Q AND LOW INSERTION LOSS.

SPECIFICATIONS:

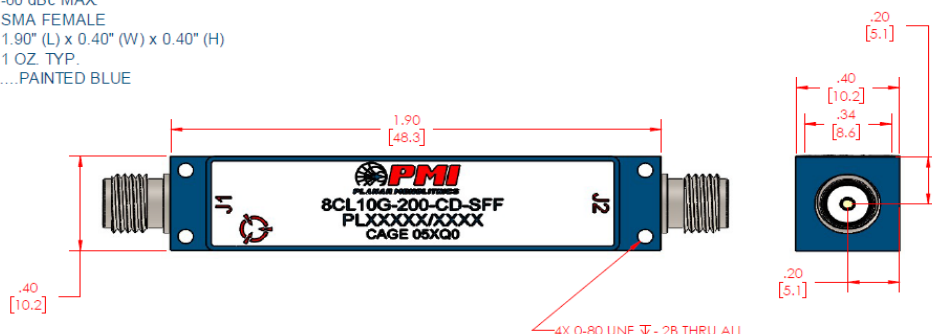
- CENTER FREQUENCY:..... 10 GHz
- 3dB BANDWIDTH:..... 200 MHz
- VSWR IN THE PASS BAND:..... 1.5:1 MAX
- INSERTION LOSS(PASSBAND):..... 2 dB MAX
- REJECTION @9.6 GHz:..... -60 dBc MAX
- REJECTION @10.4 GHz:..... -60 dBc MAX
- CONNECTORS:..... SMA FEMALE
- SIZE:..... 1.90" (L) x 0.40" (W) x 0.40" (H)
- WEIGHT:..... 1 OZ. TYP.
- FINISH:..... PAINTED BLUE

ENVIRONMENTAL RATINGS:

- TEMPERATURE:..... -55°C TO +85°C (OPERATING)
-65°C TO +125°C (STORAGE)
- HUMIDITY:..... MIL-STD-202, METHOD 103 COND. B
- SHOCK:..... MIL-STD-202, METHOD 213 COND. B
- VIBRATION:..... MIL-STD-202, METHOD 204 COND. B
- ALTITUDE:..... MIL-STD-202, METHOD 105 COND. B
- TEMPERATURE CYCLE:..... MIL-STD-202, METHOD 107 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	8/10/2008	



PMI CONFIDENTIAL AND PROPRIETARY

APPROVALS		DATE	TITLE	
DRAWN	1 Cossio	8/10/08	OUTLINE	
REDRAWN			8CL10G-200-CD-SFF	
DESIGNED			REV	REV NO.
			5	05XQ0
				27054780
			SCALE	2:1
				SHEET 1 OF 1

TECHNICAL SPECIFICATIONS

TEST ITEM	PARAMETERS	SPECIFIED VALUE	TEST RESULTS		
			+25 °C	-55 °C	+85 °C
1	Center Frequency	10 GHz	10 GHz	10 GHz	10 GHz
2	3 dB Bandwidth	200 MHz	260 MHz	260 MHz	260 MHz
3	Insertion Loss (Passband)	2 dB Max.	1.35 dB	1.35 dB	1.48 dB
4	VSWR	1.5:1 Max.	1.35:1	1.35:1	1.37:1
5	Rejection @9.6 GHz	-60 dBc Max.	-65.0 dBc	-61.1 dBc	-72.5 dBc
6	Rejection @10.4 GHz	-60 dBc Max.	-64.1 dBc	-71.4 dBc	-74.3 dBc

