

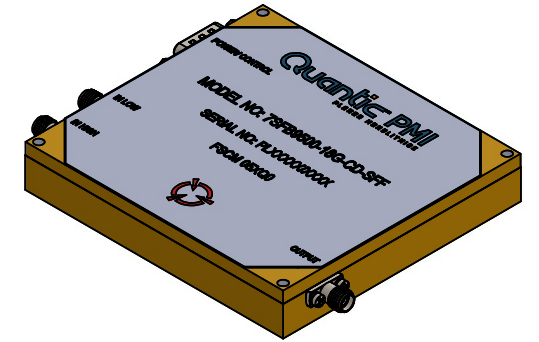
DESCRIPTION:

PMI MODEL NUMBER 7SFB9500-18G-CD-SFF OPERATES FROM 0.5 TO 18.5 GHz. THIS SWITCH FILTER BANK HAS BEEN OPTIMIZED FOR VERY LOW INSERTION LOSS WITH CHANNEL TO CHANNEL AMPLITUDE MATCHING.

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	10/11/2022	
	A2	ECN # 23 - 0085	5/1/2023	

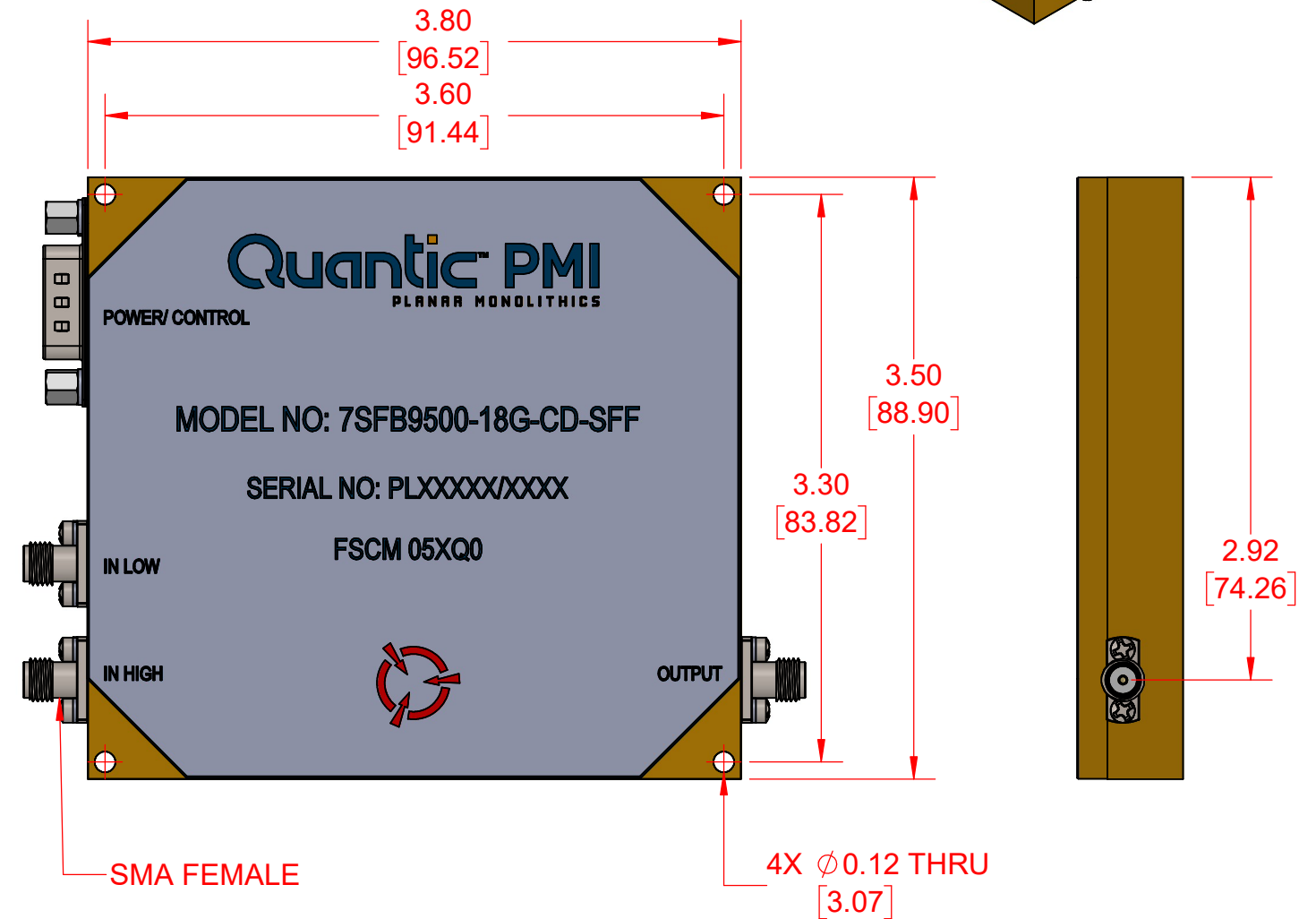
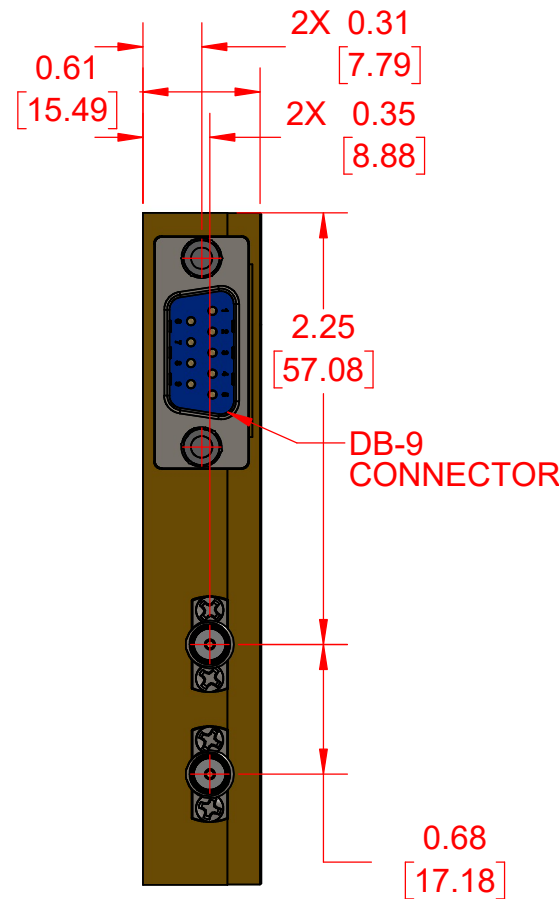
SPECIFICATIONS:

- FREQUENCY RANGE:..... 0.5 GHz TO 18.5 GHz
- INSERTION LOSS (1dB PASSBAND):..... 7.0 dB MAX
- VSWR: 2.2:1
- AMPLITUDE RIPPLE (PASSBAND):..... 2 dB MAX
- SWITCHING SPEED:..... 500 ns MAX
- VIDEO TRANSIENTS:..... 500mV PEAK TO PEAK
- DC POWER SUPPLY:..... +5V @ 175 mA MAX
-12V @ 100 mA MAX
- FINISH:..... GOLD PLATED



TRUTH TABLE				
L2	L1	L0	SELECTED PATH	SELECTED INPUT
0	0	0	CHANNEL 1 (0.5 TO 0.85 GHz)	LOW
0	0	1	CHANNEL 2 (0.7 TO 1.30 GHz)	LOW
0	1	0	CHANNEL 3 (1.20 TO 2.0 GHz)	LOW
0	1	1	CHANNEL 4 (2.0 TO 3.5 GHz)	LOW
1	0	0	CHANNEL 5 (3.4 TO 6.0 GHz)	LOW
1	0	1	CHANNEL 6 (5.9 TO 10.4 GHz)	HIGH
1	1	0	CHANNEL 7 (10.3 TO 18.5 GHz)	HIGH
1	1	1	ISOLATION STATE	

MULTI-PIN PIN OUT	
PIN	FUNCTION
1	LOGIC LINE (L0)
2	+5 VDC
3	LOGIC LINE (L1)
4	GND
5	LOGIC LINE (L2)
6	-12 VDC
7	NC
8	NC
9	NC



ENVIROMENTAL RATINGS:

- TEMPERATURE:..... -40°C TO +70°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

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

PMI CONFIDENTIAL AND PROPRIETARY

APPROVALS DRAWN S AZHAR REDRAWN ISSUED		DATE		TITLE OUTLINE 7SFB9500-18G-CD-SFF	
		10/11/2022			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XX ± 0.02 ± .XXX ± 0.01		SIZE	FSCM NO.	DWG NO.	REV.
		B	05XQ0	27044500	A2
		SCALE 1:1		SHEET 1 OF 1	

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