

ZONE		REV.	DESCRIPTION	DATE	APPROVED
		-	ORIGINAL RELEASE	12/5/99	

DESCRIPTION:

PFC MODEL SFB4200-5200-6-SS IS A SIX CHANNEL SWITCHED FILTER BANK WITH INTEGRAL TTL DRIVER.

SPECIFICATIONS:

- FREQUENCY RANGE: 800 MHz - 6000 MHz
- INSERTION LOSS: 5dB DESIGN GOAL 6.5dB MAX.

SPECIFICATIONS:

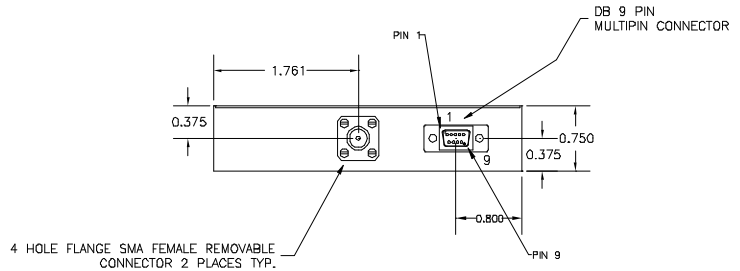
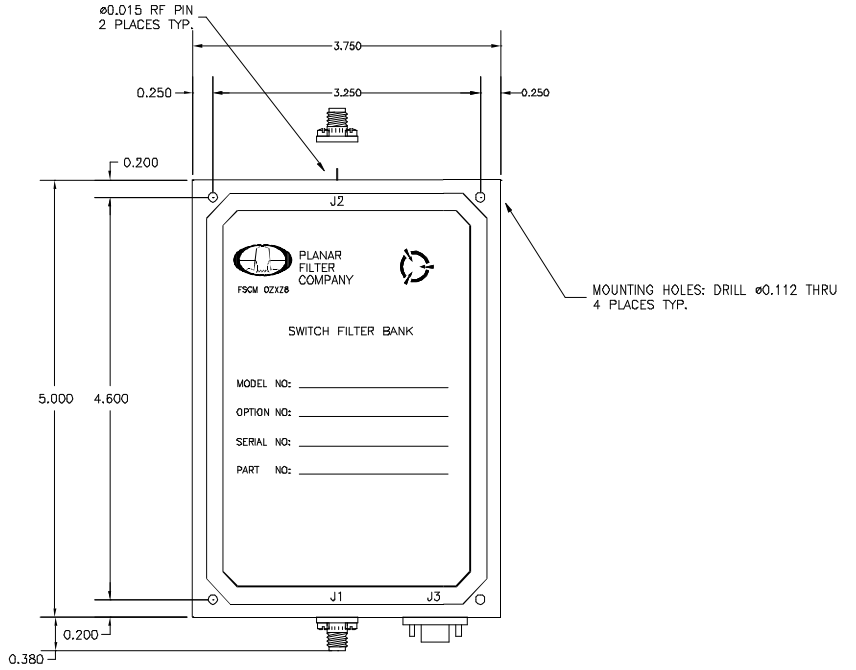
1dB Passband			REJECTION		
	F LOW MHz	F HIGH MHz	Low Side -60dB GHz	High Side -60dB GHz	High Side -60dB DESIGN GOAL -50 dB MAX.
CHANNEL 1	800	1400	DC TO 500	1.6 TO 3.3	3.3 TO 20
CHANNEL 2	1400	2400	0.2 TO 0.7	2.8 TO 5.7	5.7 TO 20
CHANNEL 3	2400	2700	0.8 TO 2.1	3.1 TO 7.56	7.56 TO 20
CHANNEL 4	2700	3500	0.8 TO 2.4	3.9 TO 9.3	9.3 TO 20
CHANNEL 5	3500	4200	0.8 TO 3.2	4.8 TO 11.55	11.55 TO 20
CHANNEL 6	4200	6000	0.8 TO 3.9	6.9 TO 15.1	15.1 TO 20
CHANNEL 7	0.8	20GHz	BYPASS		

- ISOLATION: 60 dB CHANNEL TO CHANNEL
- VSWR: 2.0:1 Min.
- SWITCHING SPEED: 100 ns MAX.
- CONTROL: TTL 3 BIT CONTROL
- RF POWER RATING: 30 dBm CW MAX.
- POWER SUPPLY: +5V @ 600mA MAX.
-12V TO -15V @ 50mA MAX.
- CONNECTOR: SMA FEMALE
- SIZE: 5.0"(L) x 3.75"(W) x 0.75"(H)
- WEIGHT: 13 OUNCES MAXIMUM

LOGIC TABLE			
	INPUT		
	E1	E2	E3
CHANNEL 1	H	H	H
CHANNEL 2	H	H	L
CHANNEL 3	H	L	H
CHANNEL 4	H	L	L
CHANNEL 5	L	H	H
CHANNEL 6	L	H	L
CHANNEL 7	L	L	H

PIN OUT TABLE J1	
PIN	TO
1	+5V
2	GND
3	-12V TO -15V
4	E1
5	E2
6	E3
7	NA
8	NA
9	NA

N/C = NO CONNECTION



ENVIRONMENTAL 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

ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX ±0.010
X.XXX ±0.005

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

PART NO.		Planar Filter Company 7311G Grove Road, Fredrick, Maryland		
APPROVALS	DATE	TITLE		
DRAWN WHS	12/5/99	OUTLINE DRAWING SFB4200-5200-6-SS		
CHECKED		SIZE	FSCM NO.	DWG NO.
ISSUED		A	OZXZ8	155-0038
SCALE N/A		SHEET 1 OF 1		REV. -