

SPECIFICATIONS:

- THE UNIT IS- BUILD WITH 2 SP8T, BUT ONLY 7 CHANNELS ARE USED

- FREQUENCY RANGE:.....190 MHz – 2.010 MHz
- INSERTION LOSS:.....5dB MAX. ALL CHANNELS
- PASS BAND SPECIFICATION:.....FLATNESS 1dB MAX. PER CHANNEL
- BAND PASS FILTER TYPE:.....BUTTERWORTH COMPATIBLE w REJECTION SPECS.
- CHANNEL SPECIFICATIONS:.....1 dB FREQ. BW

	F LOW MAX. MHz	F HIGH F MIN. MHz
CHANNEL 1	190	280
CHANNEL 2	260	410
CHANNEL 3	390	540
CHANNEL 4	520	750
CHANNEL 5	730	1050
CHANNEL 6	1030	1610
CHANNEL 7	1590	2010
CHANNEL 8	N/A	N/A

REJECTION -50dBc (GOAL-60 dBc HIGH SIDE)	
LOW SIDE MHz	HIGH SIDE MHz
100	400
160	520
230	780
325	1040
455	1460
645	2060
905	3180
N/A	N/A

- ISOLATION:.....60 dB CHANNEL TO CHANNEL
- VSWR:1.75:1 GOAL, 2.0:1 MAX.
- SWITCHING SPEED:500 ns MAX.
- CONTROL:TTL 3 BIT CONTROL
- RF POWER RATING:.....36 dBm CW MAX.
- IP3:.....46 dBm
- POWER SUPPLY:.....+5v @ 500ma max 450ma typ.
-15V @100mA max 60ma typ.
- CONNECTOR:SMA FEMALE
- SIZE:.....4.75" (W) X 5.0" (L) X 0.66" (H)
- WEIGHT:14 OUNCES TYP.
- ENVIRONMENTAL:.....TEMPERATURE 0 TO +85C

LOGIC TABLE			
	INPUTS		
	CONTROL 1	CONTROL 2	CONTROL 3
CHANNEL 1	L	L	L
CHANNEL 2	H	L	L
CHANNEL 3	L	H	L
CHANNEL 4	H	H	L
CHANNEL 5	L	L	H
CHANNEL 6	H	L	H
CHANNEL 7	L	H	H
CHANNEL 8	H	H	H

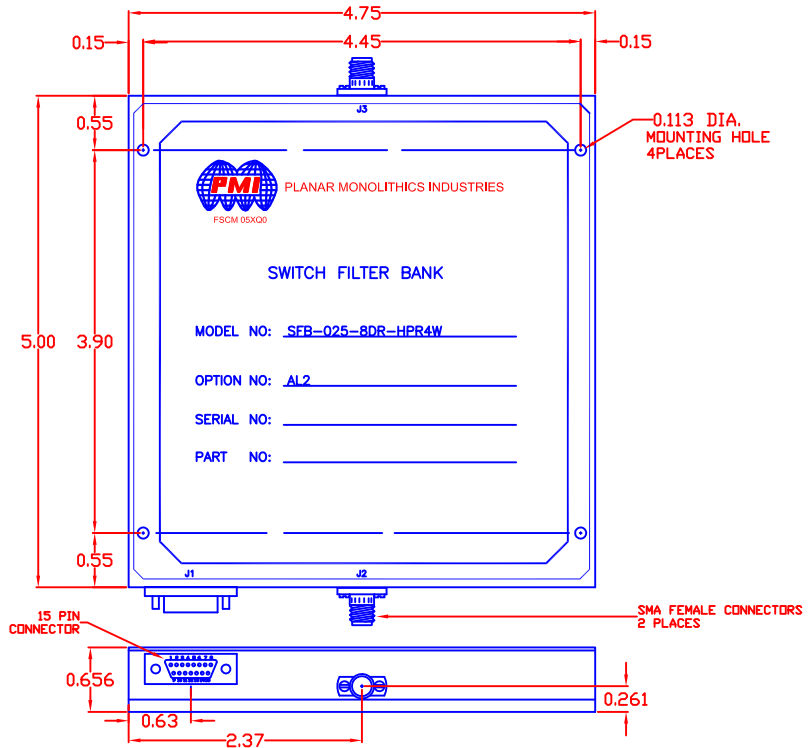
ENVIRONMENTAL RATINGS:

- 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

PIN OUT TABLE J1	
PIN	TO
1	CONTROL 1
2	CONTROL 2
3	CONTROL 3
4	N/C
5	-V
6	-V
7	GRD
8	+V
9	N/C
10	N/C
11	N/C
12	N/C
13	N/C
14	N/C
15	N/C

N/C = NO CONNECTION

REVISIONS			
ZONE	REV.	DESCRIPTION	DATE
	-	ORIGINAL RELEASE	12/31/98
	A	SEE ECN# 99-021	6/7/99



ALL DIMENSIONS ARE IN INCHES

TOLERANCES:
X.XX ±0.010
X.XXX ±0.005

PART NO. XXXX		PLANAR MONOLITHICS INDUSTRIES FREDERICK, MARYLAND	
APPROVALS		DATE	
DRAWN K SIMMS		6/7/99	
CHECKED		TITLE OUTLINE, SFB-025-8DR-HPR4W-AL2	
ISSUED		SIZE FSCM NO. DWG NO.	
		A 05XQ0 PRELIMINARY	
SCALE NONE		SHEET 1 of 1	

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION