

SPECIFICATIONS:

- FREQUENCY:.....DC to 10 GHz
- CH. 1. Center Frequency.....2500 MHz
- Ch. 2. Center Frequency.....3500 MHz
- Ch. 3. Center Frequency.....4500 MHz
- CH. 4. Center Frequency.....5500 MHz

- INSERTION LOSS (PASSBAND).....6.0 dBA (Nominal)
- INSERTION LOSS VARIATION.....1 dB (MAX.)
(WITHIN EACH BAND)
- INPUT POWER LEVEL:.....+32.5 dBm (MIN.)
+33 dBm (MAX.)
- POWER SUPPLY LEVEL:.....+5.0 ±0.5V @250 mA (MAX.)
-5.0 ±0.5V @150 mA (MAX.)
- INPUT/OUTPUT:.....50 OHMS
IMPEDANCE
- PASS BAND VSWR:.....2.:1 MAX, GOAL 1.5:1
- BAND REJECTION WITH RESPECT TO OUTPUT PORT J2

Ch.	3dB Bandwidth	45dB Bandwidth	60dB Bandwidth
1	1366 MHz	451 MHz 4549 MHz	250 MHz 5232 MHz
2	1366 MHz	1451 MHz 5549 MHz	700 MHz 5890 MHz
3	1366 MHz	2451 MHz 6549 MHz	1768 MHz 7232 MHz
4	1366 MHz	3451 MHz 7549 MHz	2768 MHz 8232 MHz

- I/P & O/P CONNECTOR:.....SMA FEMALE REMOVABLE
- CONTROL LINE:.....4 BIT BINARY, TTL CONTROLLED INPUTS
- SWITCHING SPEED:.....1 uSEC
- SIZE.....3.250" (L) X 2.50" (W) X 0.50" (H)
- WEIGHT.....7.5 OZ. TYP.

PIN	FUNCTION
1	+5 VDC
2	-5 VDC
3	GND
4	N/C
5	GND
6	Bit 1
7	Bit 2
8	Bit 3
9	Bit 4

Ch.	Center Frequency	Bit 1	Bit 2	Bit 3	Bit 4
1	2500 MHz	1	0	0	0
2	3500 MHz	0	1	0	0
3	4500 MHz	0	0	1	0
4	5500 MHz	0	0	0	1

N/C NO CONNECTION

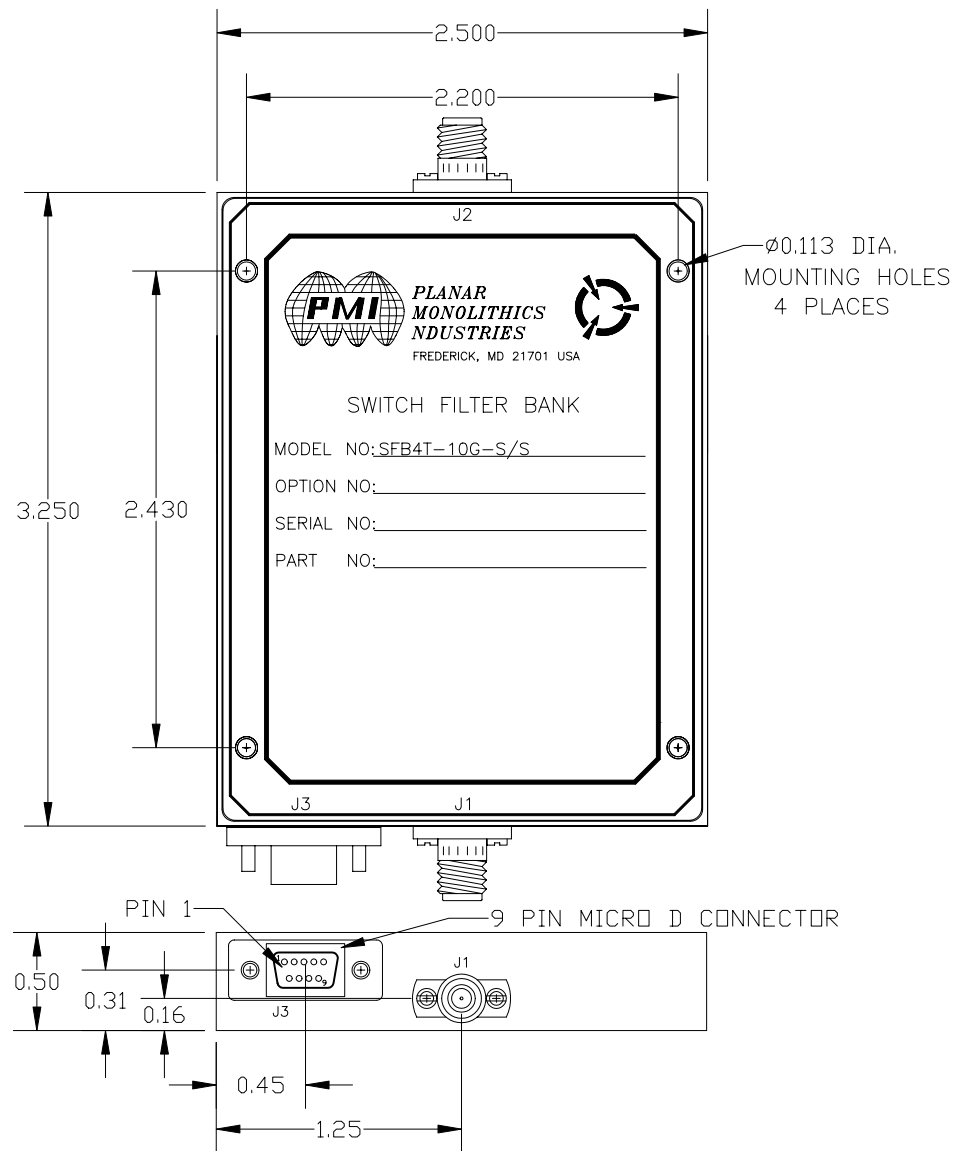
ENVIRONMENTAL RATINGS:

- 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

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	ORIGINAL RELEASE	9/29/98	
	A	REVISED 1/8/99	1/8/99	



PART NO.		APPROVALS		DATE	PLANAR MONOLITHICS INDUSTRIES FREDERICK, MARYLAND	
					TITLE	
					OUTLINE	
					SFB4T-10G-S/S	
					SIZE	FSCM NO.
					A	60483
					DWG NO.	
					Outline.dwg	
					REV.	
					A	
					SCALE	1:1
					SHEET	1 of 1