

**DESCRIPTION:**

PMI MODEL 8SFB-2G4G-250M-CD-SFF IS A EIGHT CHANNEL SWITCHED FILTER BANK OFFERING FAST SWITCH SPEED & HIGH REJECTION WITH LOW LOSS.

**SPECIFICATIONS:**

- FREQUENCY RANGE: . . . . . 2000 MHZ TO 4000 MHZ
- 3dB BW . . . . . 250 MHZ MIN. PER CHANNEL
- INSERTION LOSS: . . . . . 6 dB MAX @ F<sub>o</sub>
- POWER INPUT: . . . . . 20dBm CW max.
- VSWR: . . . . . 2.0:1 OVER 3dB BW
- IMPEDANCE: . . . . . 50 OHMS
- SWITCHING SPEED: . . . . . 100 ns MAX.
- CONTROL: . . . . . TTL, 3 LINES
- POWER SUPPLY: . . . . . +12VDC; 500mA max.  
-12VDC; 200mA max.
- CONNECTOR: . . . . . SMA FEMALE (REMOVABLE)
- SIZE: . . . . . 6.50" (L) X 6.00" (W) X 1.75" (H)
- FINISH: . . . . . GREY EPOXY PAINT
- WEIGHT: . . . . . 70 OZ MAX.

LOGIC TABLE

	FL1	FL2	FL3	FL4	FL5	FL6	FL7	FL8
E1	0	0	0	0	1	1	1	1
E2	0	0	1	1	0	0	1	1
E3	0	1	0	1	0	1	0	1

FILTER CHARACTERISTICS

	FL1	FL2	FL3	FL4	FL5	FL6	FL7	FL8	UNITS
3dB PASSBAND	2000 TO 2250	2250 TO 2500	2500 TO 2750	2750 TO 3000	3000 TO 3250	3250 TO 3500	3500 TO 3750	3750 TO 4000	MHZ
-40 dB MIN.	1985	2196	2428	2659	2890	3121	3353	3584	MHZ
-40 dB MIN.	2285	2564	2822	3091	3360	3629	3897	4165	MHZ

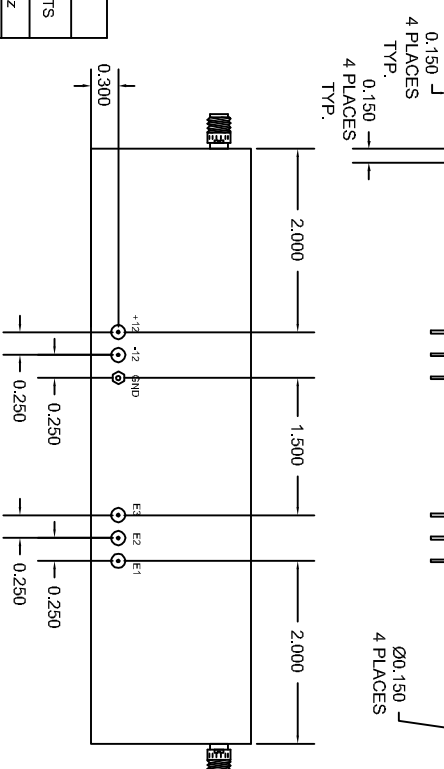
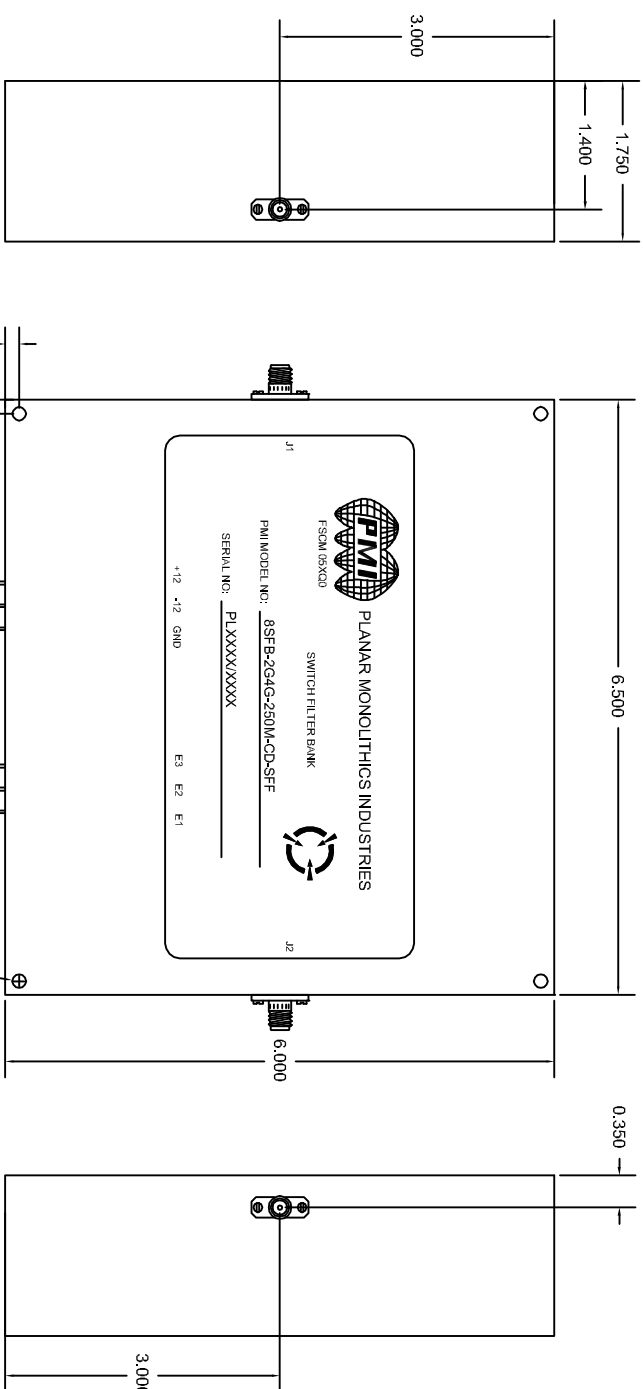
**ENVIRONMENTAL RATINGS:**

- TEMPERATURE: . . . . . -40°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

REVISIONS

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	ORIGINAL RELEASE	4/24/09	



ALL DIMENSIONS ARE IN INCHES  
TOLERANCES:  
X.XX ± 0.020  
X.XXX ± 0.010

PART NO.		TITLE	
APPROVALS		PLANAR MONOLITHICS INDUSTRIES 5715 INDUSTRY LANE UNIT 11 FREDERICK, MARYLAND	
DATE	DATE	OUTLINE DRAWING	
4/24/09	4/24/09	8SFB-2G4G-250M-CD-SFF	
DRAWN S. PALACIO		SWITCHED FILTER BANK	
CHECKED		SIZE	DWG NO.
ISSUED		A	27010232
		SCALE	SHEET 1 of 2
			REV. A