

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:

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|------------------|---|---|---|---|
| FREQUENCY RANGE: | | · | · | 2000 MHz TO 4000 MHZ |
| 3dB BW : | . | . | . | .250 Mhz MIN. PER CHANNEL |
| INSERTION LOSS: | . | . | . | .6 dB MAX @ Fo. |
| 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

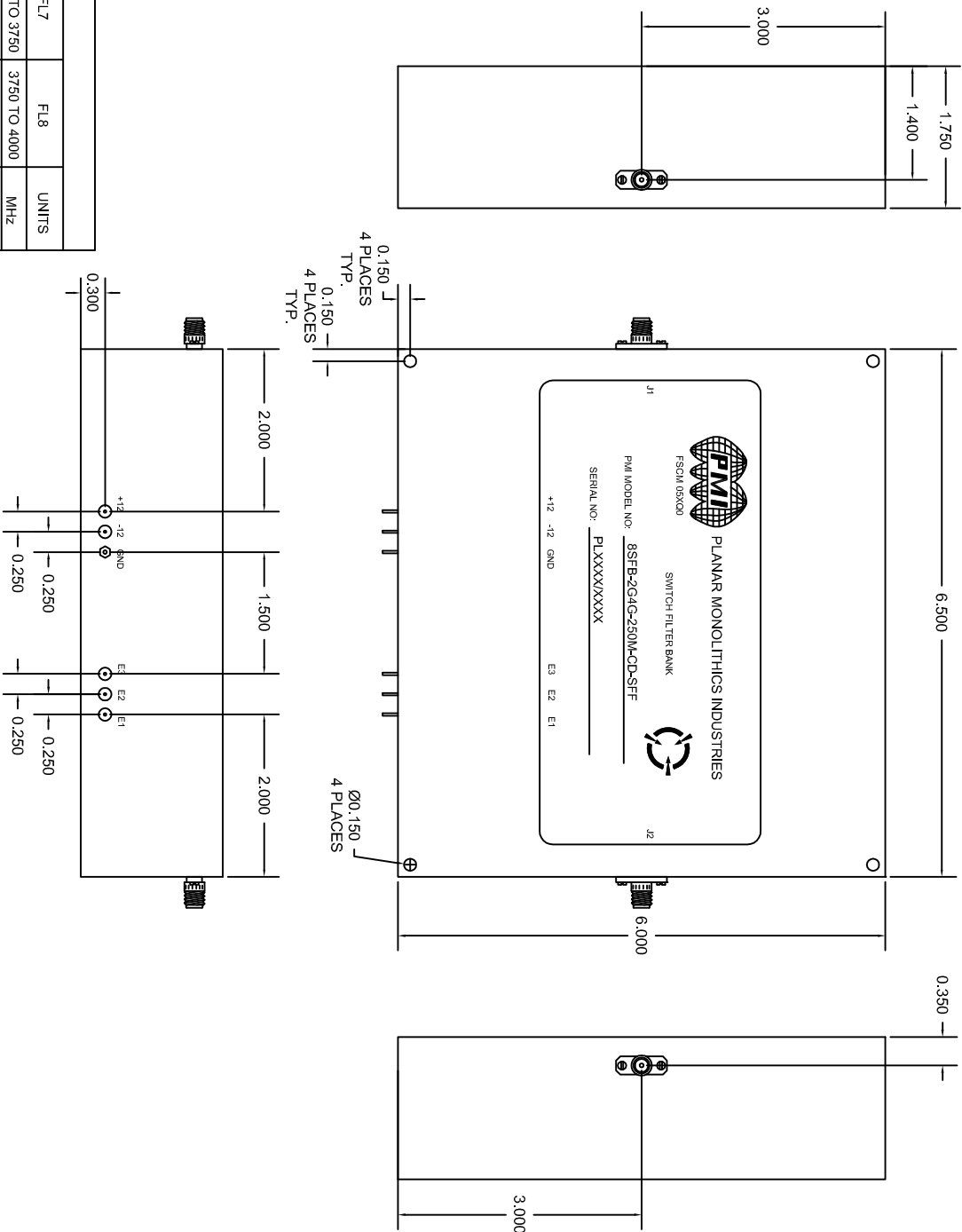
FILTER CHARACTERISTICS									
	F L1	F L2	F L3	F L4	F L5	F L6	F L7	F L8	UNITS
3dB PASSBAND	2000 TO 2250	2250 TO 2500	2500 TO 2750	2750 TO 3000	3000 TO 3250	3250 TO 3500	3500 TO 3750	3750 TO 4000	MHZ
-40 DB MIN.	1965	2196	2428	2659	2890	3121	3353	3584	MHZ
-40 DB MIN.	2285	2554	2822	3091	3360	3629	3897	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

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



PART NO.		 PLANAR MONOLITHICS INDUSTRIES 5715 INDUSTRY LANE UNIT 11 FREDERICK, MARYLAND	
APPROVALS	DATE		
DRAWN	4/24/09		
S. PALACIO			
CHECKED		OUTLINE DRAWING 8SFB-2G4G-250M-CD-SFF SWITCHED FILTER BANK	
ISSUED			
TITLE		SIZE FSCM NO. DWG NO. REV.	
SCALE		A 05XQ0 27010232 A	1 of 2