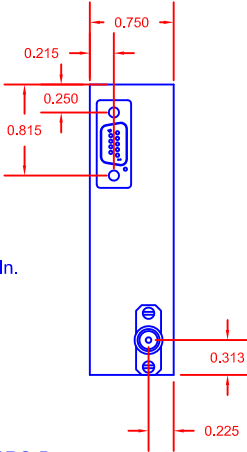


DESCRIPTION:

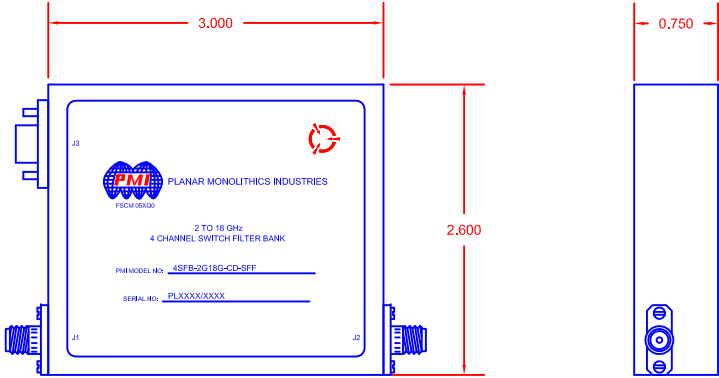
PMI MODEL 4SFB-2G18G-CD-SFF IS A FOUR CHANNEL SWITCHED FILTER BANK OFFERING FAST SWITCH SPEED & HIGH REJECTION WITH LOW LOSS.

SPECIFICATIONS:

- FREQUENCY RANGE: 2 GHz TO 18 GHz
- INSERTION LOSS: -6dB TYP., 8dB MAX.
- ISOLATION: -60 dBc MIN.
- VSWR: 2.0:1 TYP. - 3.0:1 MAX.
- IMPEDANCE: 50 OHMS
- SWITCHING SPEED: 500 ns MAX. (FROM 50%TTL TO 90%/10% RF)
- POWER HANDLING: +27dBm MIN.
- VIDEO FEED THRU: -65dBm MAX. @ 1MHz BW, 0.4-18GHz
- HARMONICS: -60dBc Typ., relative to RF Out, tested with +27dBm @ RF In.
- LOGIC INPUT: TTL COMPATIBLE, 4 BITS DECODED
TTL HIGH = 2V MIN.
TTL LOW = 0.8V MAX.
- POWER SUPPLY: +5VDC; 150mA MAX.
-15VDC; 150mA MAX.
- CONNECTOR: RF SMA FEMALE (REMOVABLE) / DC & LOGIC 9 PIN MICRO-D
- SIZE: 3.00" (L) X 2.60" (W) X 0.75" (H)
- FINISH: BLUE OR GREY EPOXY PAINT



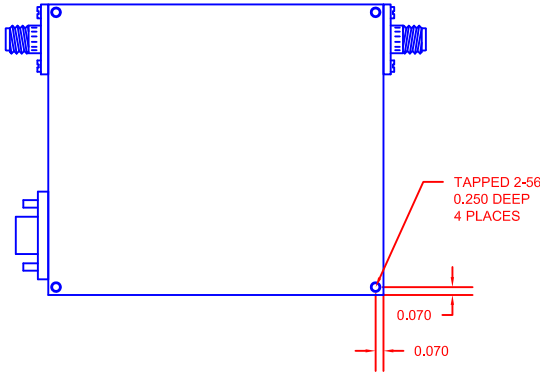
REVISIONS			
ZONE	REV.	DESCRIPTION	DATE
	A	ORIGINAL RELEASE	9/2/09
	B	SPEC. UPDATES	1/12/15
	C	SPEC. UPDATES	7/27/18



FILTER CHARACTERISTICS				
PARAMETER	FILTER A	FILTER B	FILTER C	FILTER D
PASSBAND	2.0 - 3.5 GHz	3.5 - 6.0 GHz	6.0 - 10.4 GHz	10.4 - 18.0 GHz
50 dB REJECTION TYP.	4.0 - 7.0 GHz	7.0 - 12.0 GHz	12.0 - 18.0 GHz	
50 dB REJECTION TYP.	DC - 0.4 GHz	DC - 0.4 GHz	DC - 0.4 GHz	
LOW END REJECTION	24 dB/OCTAVE IN ALL FOUR CHANNELS			

LOGIC TABLE				
9	8	7	6	PIN
1	1	1	0	FILTER A
1	1	0	1	FILTER B
1	0	1	1	FILTER C
0	1	1	1	FILTER D

DC PIN OUT	
PIN	FUNCTION
1	+5 V DC
2	GND
3	-15 V DC
4	GND
5	N/C
6	TTL 1
7	TTL 2
8	TTL 3
9	TTL 4



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

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

PART NO.		 PLANAR MONOLITHICS INDUSTRIES 5715 INDUSTRY LANE UNIT 11 FREDERICK, MARYLAND	
APPROVALS	DATE	TITLE	
DRAWN S. PALACIO	9/2/09	OUTLINE DRAWING 4SFB-2G18G-CD-SFF SWITCHED FILTER BANK	
CHECKED			
ISSUED			
SIZE A		FSCM NO. 05XQ0	DWG NO. 27010901
SCALE		REV. C	
		SHEET 1 of 1	