

DESCRIPTION:

PFC MODEL NUMBER 7SFB9500-18G-CD-SFF OPERATES FROM 0.5 TO 18.5 GHz.
THIS SWITCH FILTER BANK HAS BEEN OPTIMIZED FOR VERY LOW INSERTION LOSS
WITH CHANNEL TO CHANNEL AMPLITUDE MATCHING.
KEY FEATURE IS EXTREMELY LOW VIDEO TRANSIENTS.

SPECIFICATIONS:

- FREQUENCY RANGE: 0.5 to 18.5 GHz
- INSERTION LOSS(1 dB PASSBAND): 5.0 dB MAX
- VSWR: 2.0:1
- AMPLITUDE RIPPLE(50 MHz): ±0.5dB MAX
- AMPLITUDE RIPLE(PASSBAND): 2dB MAX
- HARMONIC GROUP DELAY: 10 nSEC MAX
- SWITCHING SPEED: 500 nSEC MAX
- VIDEO TRANSIENTS: 25m Vpp MAX
- POWER: +5V @ 175 mA MAX
-12V @ 75 mA MAX

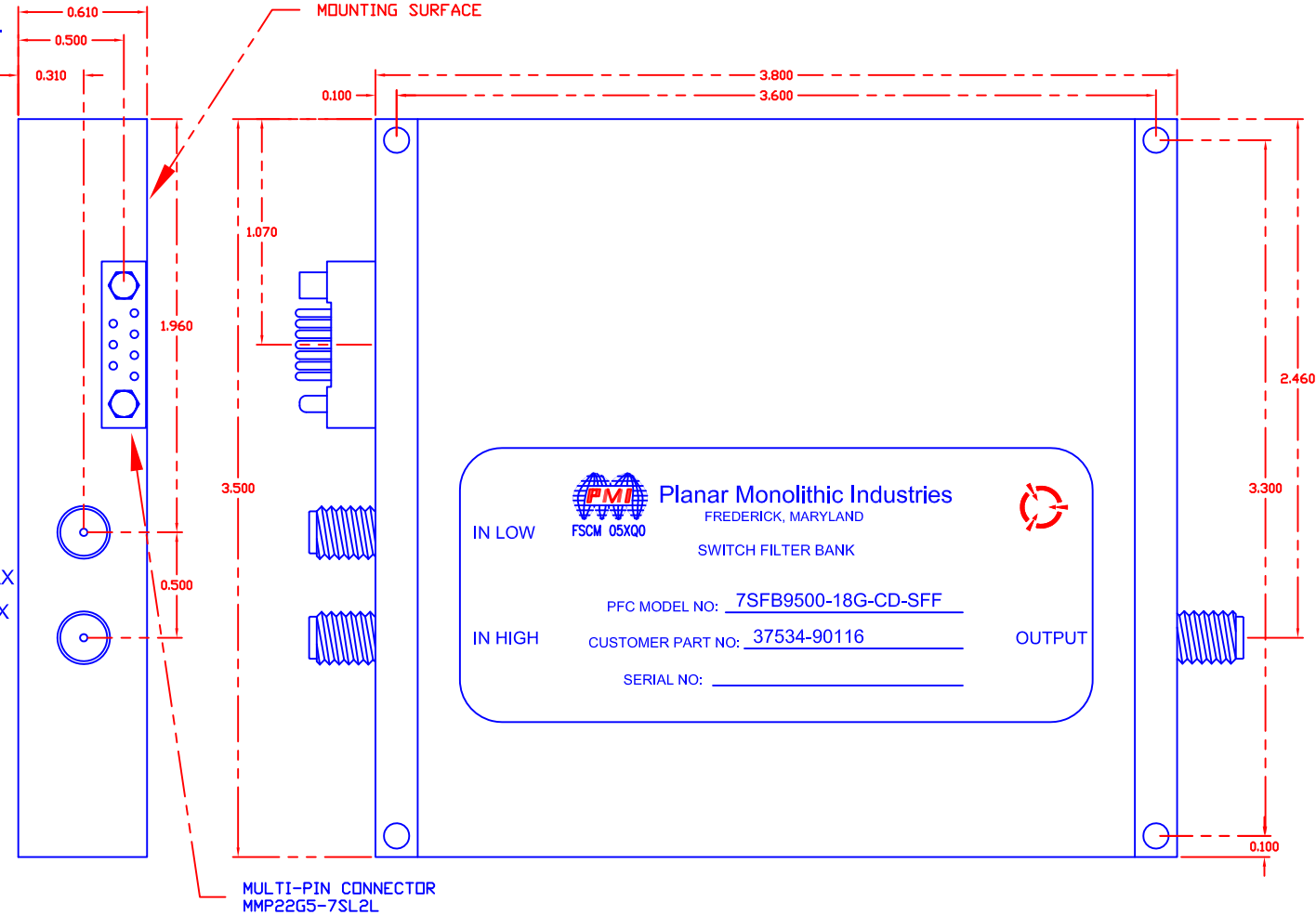
TRUTH TABLE

L2	L1	L0	SELECTED PATH	SELECTED INPUT
0	0	0	CHANNEL 1 (0.5 TO 0.85 GHz)	LOW
0	0	1	CHANNEL 2 (0.7 TO 1.30 GHz)	LOW
0	1	0	CHANNEL 3 (1.20 TO 2.0 GHz)	LOW
0	1	1	CHANNEL 4 (2.0 TO 3.5 GHz)	LOW
1	0	0	CHANNEL 5 (3.4 TO 6.0 GHz)	LOW
1	0	1	CHANNEL 6 (5.9 TO 10.4 GHz)	HIGH
1	1	0	CHANNEL 7 (10.3 TO 18.5 GHz)	HIGH
1	1	1	ISOLATION STATE	

ENVIRONMENTAL RATINGS:

- TEMPERATURE: -40°C TO +70°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



MULTI-PIN PIN OUT	
PIN	FUNCTION
A	LOGIC LINE L0
B	+5VDC
C	LOGIC LINE L1
D	GND
E	LOGIC LINE L2
F	-12VDC
H	NOT USED

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

CONFIDENTIAL AND PROPRIETARY

PART NO.		APPROVALS		DATE	TITLE	
		DRAWN J. TURNER		7/15/02	PRODUCT FEATURE 7SFB9500-18G-CD-SFF	
		CHECKED				
		ISSUED				
SIZE A	FSCM NO. 1QJWO	DWG NO. 155-1481	REV. -			
SCALE N/S			SHEET 1 of 3			