

DESCRIPTION

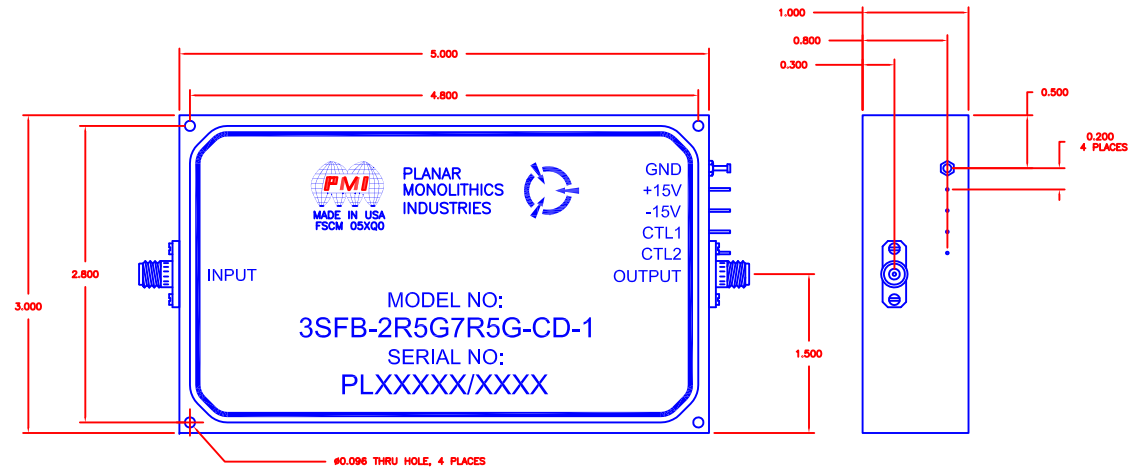
PMI MODEL NUMBER: 3SFB-2R5G7R5G-CD-1 IS A THREE CHANNEL SWITCH FILTER BANK. THIS MODEL OPERATES OVER THE FREQUENCY RANGE OF 2.5GHZ TO 7.5GHZ. IT HAS 5.5dB INSERTION LOSS AND 55dB OF ISOLATION. THIS UNIT IS CAPABLE OF HANDLING UP TO 1 WATT (30dBm) CW MAXIMUM.

SPECIFICATIONS

- FREQUENCY RANGE: _____ 2.5GHz TO 7.5GHz
- INSERTION LOSS: _____ 5.5dB TYP
- VSWR: _____ 2.0:1 TYP
- ISOLATION: _____ 55dB TYP
- IMPEDANCE: _____ 50Ω
- POWER HANDLING: _____ 1 WATT (30dBm) CW MAX
- SWITCHING SPEED: _____ 100ns MAX
- CONTROL: _____ TTL, 2 LINES
- POWER SUPPLY: _____ +15VDC @ 200mA MAX
 _____ -15VDC @ 200mA MAX
- CONNECTORS: _____ SMA (F) REMOVABLE
- SIZE: _____ (L) 5.0" X (W) 3.0" (H) 1.0" MAX
- FINISH: _____ GRAY EPOXY POLIMIDE COATING IAW MIL-C-22750, TYPE I OVER EPOXY POLIMIDE PRIMER IAW MIL-P-23377, TYPE I, CLASS 1 OR 3.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	ORIGINAL RELEASE	04/25/19	

MECHANICAL OUTLINE



CONTROL TABLE				
CTRL1	CTRL2	PASSBAND	3dB BW	PATH
0	0	2.5 - 4.0 GHz	1.5 GHz	FL1
0	1	4.0 - 7.5 GHz	3.5 GHz	FL2
1	0	2.5 - 7.5 GHz	5.0 GHz	FL3

FILTER CHARACTERISTICS			
FILTER PATH	FL1	FL2	FL3
5.5dB TYP	OVER PASSBAND FREQUENCIES		
55dB TYP	20% FROM BAND EDGES		

PMI CONFIDENTIAL AND PROPRIETARY

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

ALL DIMENSIONS ARE IN INCHES
 TOLERANCES:
 X.XX ±0.25
 X.XXX ±0.125

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE
 NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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APPROVALS		DATE	TITLE			
DRAWN	S. PALAJO	02/19/11	PRODUCT FEATURE 3SFB-2R5G7R5G-CD-1			
CHECKED			SIZE	FSCM NO.	DWG NO.	REV.
ISSUED			A	05XQ0	27018841	1
			SCALE	N:S		SHEET 1 OF 1