

DESCRIPTION

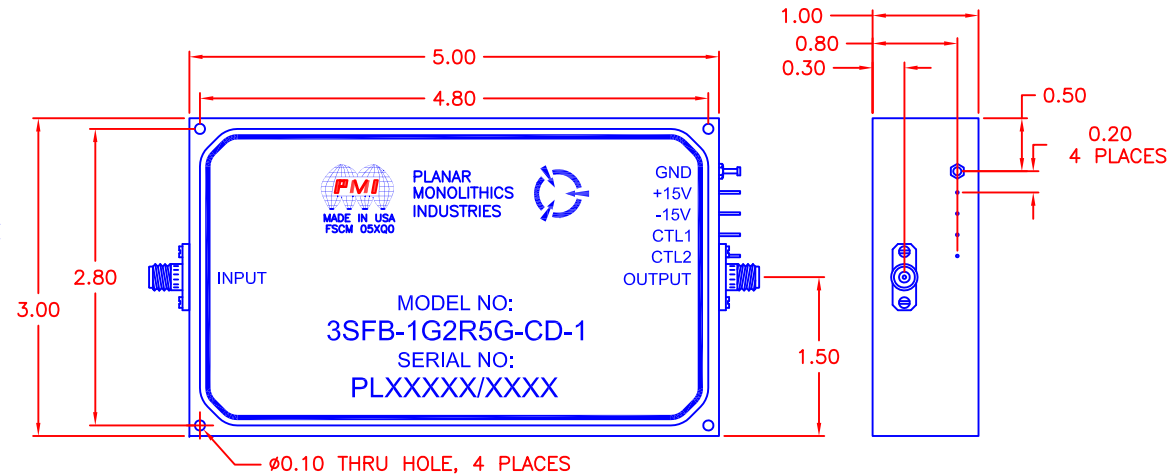
PMI MODEL NUMBER: 3SFB-1G2R5G-CD-1 IS A THREE CHANNEL SWITCH FILTER BANK. THIS MODEL OPERATES OVER THE FREQUENCY RANGE OF 1.0GHZ TO 2.5GHZ. IT HAS 5.5dB INSERTION LOSS AND 55dB OF ISOLATION. THIS UNIT IS CAPABLE OF HANDLING UP TO 1 WATT (30dBm) CW MAXIMUM.

SPECIFICATIONS

- FREQUENCY RANGE: 1.0GHZ TO 2.5GHZ
- 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	1.0 - 1.8 GHz	1.5 GHz	FL1
0	1	1.8 - 2.5 GHz	0.7 GHz	FL2
1	0	1.0 - 2.5 GHz	1.5 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

PLANAR MONOLITHICS INDUSTRIES, INC.
7311-F GROVE ROAD
FREDERICK, MARYLAND 21704 USA
TEL: 301-662-5019 FAX: 301-662-1731
WEBSITE: www.pmi-rf.com
E-MAIL: sales@pmi-rf.com
ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE		
DRAWN	S. PALAJO	02/19/11	PRODUCT FEATURE 3SFB-1G2R5G-CD-1		
CHECKED			SIZE	FSCM NO.	DWG NO.
ISSUED			A	05XQ0	27018861
			SCALE	N:S	SHEET 1 OF 1