

DESCRIPTION

PMI MODEL NUMBER 2SFB-8G26G-CD-SFF Rev. C IS A 2 CHANNEL SWITCH FILTER BANK PROVIDING EITHER A LOW-PASS FILTER OR A BYPASS PATH. THIS UNIT IS POWERED BY A +5V SINGLE SUPPLY, AND THE CONTROL LOGIC IS TTL/CMOS +5V COMPATIBLE.

SPECIFICATIONS

PASS-BAND

- FREQUENCY RANGE — 8.62 GHz TO 8.70 GHz
- INSERTION LOSS — 5.5 dB MAX
- FLATNESS — 1.0 dB MAX PEAK-PEAK
- ISOLATION OF RF INPUT FROM POWER AND CONTROL INPUTS: 50dB Min (BETWEEN 8GHz AND 26.5GHz)
- VSWR — 2.0 : 1 MAX ACROSS FREQUENCY RANGE
- GROUP DELAY — 1 ns MAX (GOAL)

REJECT-BAND

- FREQUENCY RANGE — 17.24 GHz TO 17.4 GHz
- REJECTION — 20 dB MIN

BYPASS

- FREQUENCY RANGE — 8 GHz TO 26.5 GHz
- INSERTION LOSS — 5.0 dB MAX WITHIN ± 2.0 dB OF MAX PASS-BAND I.L.
- FLATNESS — 1.0 dB MAX PEAK-PEAK OVER EACH 100 MHz SEGMENT
- VSWR — 2.0 : 1 MAX ACROSS FREQUENCY RANGE

CONNECTORS

- RF INPUT/OUTPUT — SMA FEMALE, REMOVABLE
- RF INPUT/OUTPUT COUPLING — AC COUPLED
- INPUT RF POWER LEVEL — +20 dBm CW MAX (POWERED AND UNPOWERED) (NO DAMAGE)
- INPUT IP3 — +27 dBm MAX, +32 dBm TYP (Pin = -10 dBm, $\Delta F = 2$ MHz)
- SWITCHING SPEED — 100 nS MAX
- VOLTAGE — +5V $\pm 5\%$ @ 100 mA MAX
- LOGIC INPUT — TTL / CMOS +5V COMPATIBLE
- FINISH — GOLD PLATED

ENVIRONMENTAL RATINGS

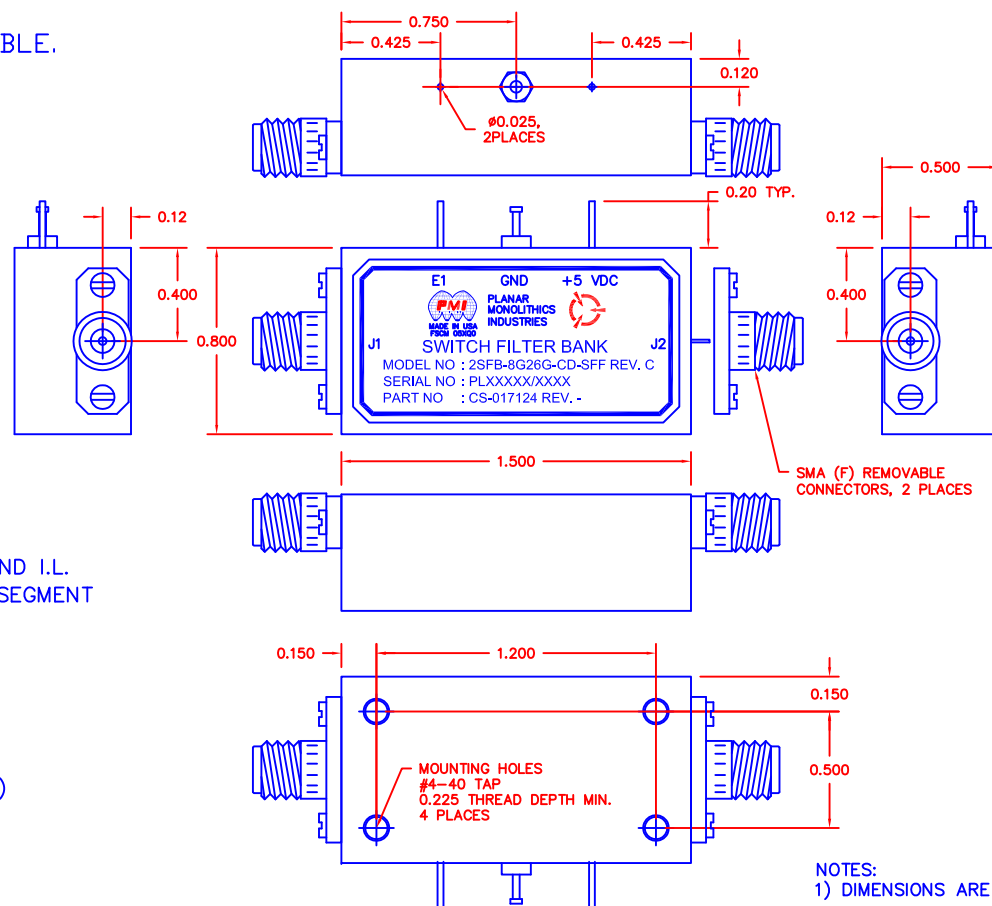
- **TEMPERATURE** — -10° C TO +70° C (OPERATING)
-30° C TO +100° C (STORAGE)
- **HUMIDITY** — $\leq 95\%$, NON-CONDENSING AT 40°C
- **ALTITUDE** — SEA LEVEL TO 15,000 FEET

CONTROL LOGIC STATE	
E1	FILTER PATH
0	BYPASS
1	LOW PASS

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

PMI CONFIDENTIAL AND PROPRIETARY

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	1/6/09	
	B1	ISOLATION SPEC MISSING	04/12/12	
	B2	ECN # 13-0160	09/19/13	



NOTES:
1) DIMENSIONS ARE IN INCHES
2) TOLERANCES: X.XX ± 0.020
X.XXX ± 0.010

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APPROVALS		DATE		TITLE	
DRAWN <i>DPD</i>		1/6/09		PRODUCT FEATURE	
CHECKED				2SFB-8G26G-CD-SFF Rev. C	
ISSUED				SWITCH FILTER BANK	
SIZE	FSCM NO.	DWG NO.	REV.		
A	05XQ0	27010169	B2		
SCALE	N: S			SHEET	1 OF 1