

DESCRIPTION:

PMI MODEL 24SFB-5D75G18D25G-2U-SFF-AMP IS A TWENTY FOUR CHANNEL(BANDPASS FILTERS) SWITCHED FILTER BANK OFFERING ULTRA FAST SWITCH SPEED, HIGH REJECTION WITH LOW LOSS. THIS SFB INCLUDES AN AMPLIFIER AT THE INPUT TO COMPENSATE FOR THE INSERTION LOSS OF THE SWITCHES AND FILTERS. THIS MODEL IS IDEAL FOR AUTOMATED SPECTRUM MONITORING SYSTEM.

SPECIFICATIONS:

- FREQUENCY RANGE: 5.75 GHz TO 18.25 GHz
- GAIN: 0 dB MIN, 10dB MAX
- VSWR: 2.0:1 MAX. / 1.5:1 GOAL
- IMPEDANCE: 50 OHMS
- SWITCHING SPEED: 100 ns TYP.
- CONTROL: TTL, 5 BIT DECODED
- POWER SUPPLY: +15VDC; 2200mA Typ.
..... -15VDC; 400mA Typ.
- CONNECTOR: SMA FEMALE
- SIZE: 8.5" X 3.5" X 13" (DII-35-2-13 BLUE)
- FINISH: BLUE POWDER COAT
ON FRONT PANEL

15 PIN CONNECTOR	
PIN #	FUNCTION
1	CTL 1
2	CTL 2
3	CTL 3
4	CTL 4
5	CTL 5
6	NC
7	NC
8	NC
9	NC
10	NC
11	GND
12	+15 V
13	GND
14	-15 V
15	GND

TTL CONTROL					FILTER PATH	FILTER 1dB PASSBAND (GHz)	LOWER REJECTION (GHz)	LOWER REJECTION LEVEL (dB) MIN	UPPER REJECTION (GHz)	UPPER REJECTION LEVEL (dB) MIN
CTL 1	CTL 2	CTL 3	CTL 4	CTL 5						
0	0	0	0	0	CHANNEL 1	5.75 - 6.75	7.0	30	8.0	60
0	0	0	0	1	CHANNEL 2	6.25 - 7.25	7.5	30	8.5	60
0	0	0	1	0	CHANNEL 3	6.75 - 7.75	8.0	30	9.0	60
0	0	0	1	1	CHANNEL 4	7.25 - 8.25	8.5	30	9.5	60
0	0	1	0	0	CHANNEL 5	7.75 - 8.75	9.0	30	10.0	60
0	0	1	0	1	CHANNEL 6	8.25 - 9.25	9.5	30	10.5	60
0	0	1	1	0	CHANNEL 7	8.75 - 9.75	10.0	30	11.0	60
0	0	1	1	1	CHANNEL 8	9.25 - 10.25	10.5	30	11.5	60
0	1	0	0	0	CHANNEL 9	9.75 - 10.75	11.0	30	12.0	60
0	1	0	0	1	CHANNEL 10	10.25 - 11.25	11.5	30	12.5	60
0	1	0	1	0	CHANNEL 11	10.75 - 11.75	12.0	30	13.0	60
0	1	0	1	1	CHANNEL 12	11.25 - 12.25	12.5	30	13.5	60
0	1	1	0	0	CHANNEL 13	11.75 - 12.75	13.0	30	14.0	60
0	1	1	0	1	CHANNEL 14	12.25 - 13.25	13.5	30	14.5	60
0	1	1	1	0	CHANNEL 15	12.75 - 13.75	14.0	30	15.0	60
0	1	1	1	1	CHANNEL 16	13.25 - 14.25	14.5	30	15.5	60
1	0	0	0	0	CHANNEL 17	13.75 - 14.75	15.0	30	16.0	60
1	0	0	0	1	CHANNEL 18	14.25 - 15.25	15.5	30	16.5	60
1	0	0	1	0	CHANNEL 19	14.75 - 15.75	16.0	30	17.0	60
1	0	0	1	1	CHANNEL 20	15.25 - 16.25	16.5	30	17.5	60
1	0	1	0	0	CHANNEL 21	15.75 - 16.75	17.0	30	18.0	60
1	0	1	0	1	CHANNEL 22	16.25 - 17.25	17.5	30	18.5	60
1	0	1	1	0	CHANNEL 23	16.75 - 17.75	18.0	30	19.0	60
1	0	1	1	1	CHANNEL 24	17.25 - 18.25	18.5	30	19.5	60
1	1	1	1	1	ALL OFF	N/A	N/A	N/A	N/A	N/A

ENVIRONMENTAL RATINGS:

- TEMPERATURE: 0°C TO +70°C (OPERATING & STORAGE)

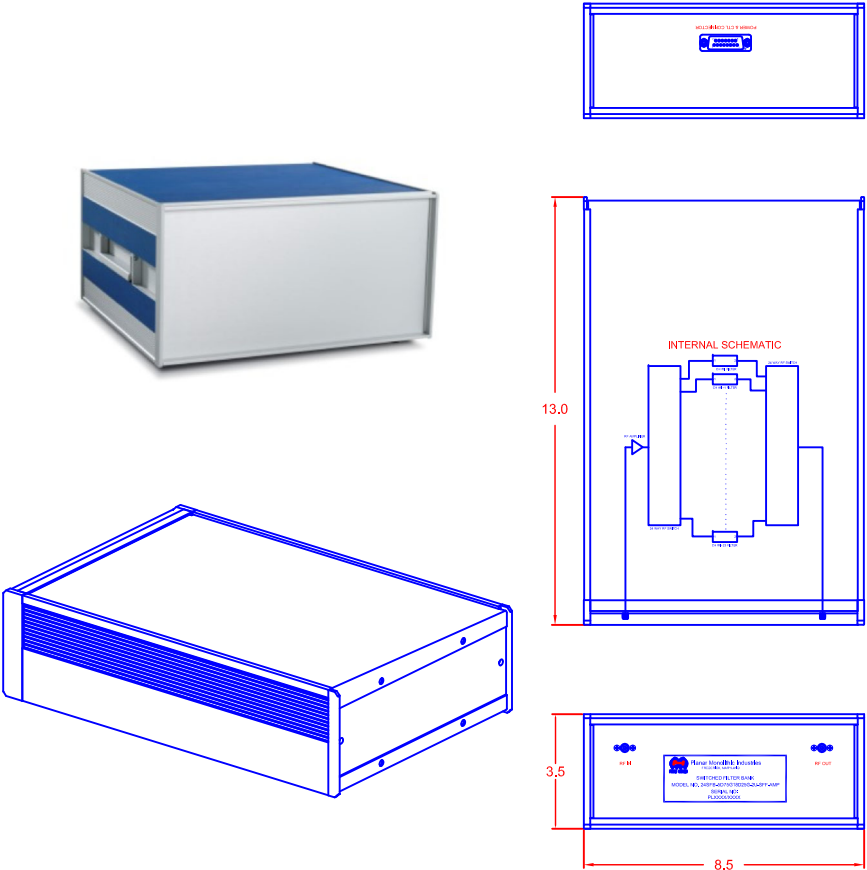
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

ALL DIMENSIONS ARE IN INCHES
TOLERANCES:

X.XX ± 0.020

X.XXX ± 0.010

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	—	PRELIMINARY	5/21/19	



CONFIDENTIAL AND PROPRIETARY

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APPROVALS		DATE		 7311-F GROVE ROAD FREDERICK, MARYLAND 21704 USA TEL: 301-662-5019 FAX: 301-662-1731 WEBSITE: www.pmi-ri.com E-MAIL: sales@pmi-ri.com ISO 9001:2008 CERTIFIED	
DRAWN		5/21/19			
SPH					
CHECKED					
ISSUED				TITLE	
				OUTLINE DRAWING	
				24SFB-5D75G18D25G-2U-SFF-AMP	
				SWITCHED FILTER BANK	
		SIZE	FSCM NO.	DWG NO.	REV.
		A	05XQ0	PRELIMINARY	—
		SCALE	SHEET		1 of 1