

DESCRIPTION

PMI MODEL NO. 5BRF-781M2600M-NFF IS A FIVE CHANNEL SWITCHED BAND-REJECT FILTER ASSEMBLY DESIGNED TO REJECT UNWANTED SIGNALS WHEN PERFORMING VARIOUS MEASUREMENTS. THE SELECTABLE BAND REJECT FREQUENCIES ARE 791-821MHz (LTE), 925.2-960MHz (GSM-UMTS), 1810-1880MHz (UMTS) AND 2550-2600MHz (LTE). THE SWITCHING IS DONE VIA TTL CONTROL AND THE UNIT OPERATES ON +5 & +12VDC.

GENERAL SPECIFICATIONS:

- FREQUENCY RANGE: 80MHz to 6.0GHz
- RF INPUT POWER (OPERATING): +30dBm CW Maximum
- SWITCHING SPEED: 200ns Maximum
- SWITCH CONTROL: TTL - "0" = Low Loss
"1" = Isolation
- DC SUPPLY: +5VDC & -12VDC
- RF INPUT CONNECTOR: N-TYPE FEMALE
- RF OUTPUT CONNECTOR: N-TYPE FEMALE
- SIZE: 16.0" x 8.5" x 2.25" (NOT TO EXCEED)
- FINISH: EPOXY PAINTED BLUE

FILTER PATH SPECIFICATIONS:

Specification	Filter Path 1	Filter Path 2	Filter Path 3	Filter Path 4	Filter Path 5
Lower Passband	80 - 690MHz	80 - 910MHz	80 - 1750MHz	80 - 1900MHz	80 - 2500MHz
Lower Passband IL	5dB Typical	5dB Typical	5dB Typical	5dB Typical	5dB Typical
Upper Passband	925 - 6000MHz	975 - 6000MHz	2100 - 6000MHz	2200 - 6000MHz	2650 - 6000MHz
Upper Passband IL	6dB Typical	6dB Typical	6dB Typical	6dB Typical	6dB Typical
Rejection	-40dB Minimum	-65dB Minimum	-50dB Minimum	-50dB Minimum	-65dB Minimum
Rejection Frequencies	781 - 821MHz	925 - 960MHz	1810 - 1880MHz	2110 - 2170MHz	2550 - 2600MHz
Passband VSWR In/Out	2.0:1 Typical	2.0:1 Typical	2.0:1 Typical	2.0:1 Typical	2.0:1 Typical

ENVIRONMENTAL RATINGS

- TEMPERATURE: -20°C TO +70°C
..... -40°C TO +85°C (STORAGE)

ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX ±0.020
X.XXX ±0.010

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	2/24/15	KM

PMI CONFIDENTIAL AND PROPRIETARY

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ISO 9001 CERTIFIED



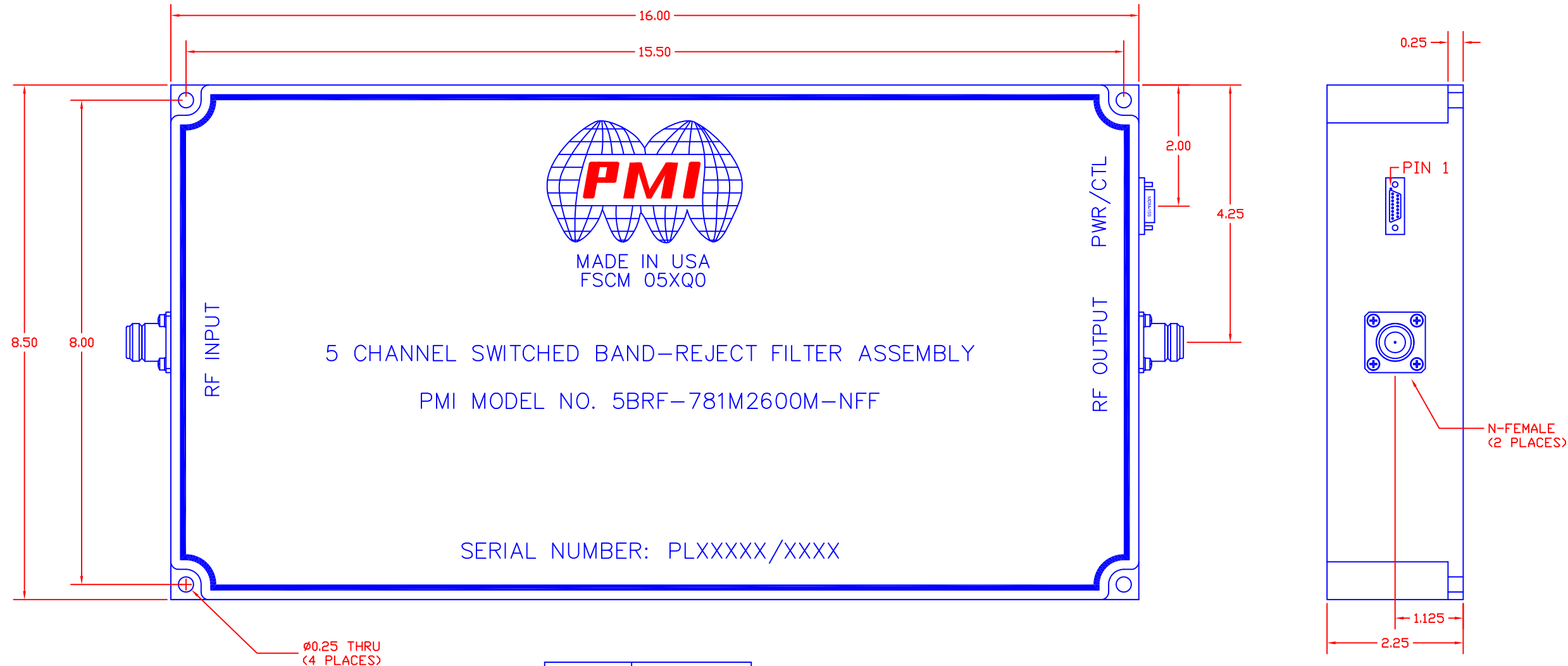
APPROVALS		DATE	TITLE		
DRAWN <i>K. MASON</i>		2/24/15	PRODUCT FEATURE 5BRF-781M2600M-NFF		
CHECKED			SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY
ISSUED			SCALE N: S		REV. -
				SHEET	1 OF 2

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MECHANICAL LAYOUT



Ø0.25 THRU
(4 PLACES)

PIN NO:	FUNCTION
1	TTL 1
2	TTL 2
3	TTL 3
4	TTL 4
5	TTL 5
6	GROUND
7	N/A
8	N/A
9	N/A
10	N/A
11	N/A
12	N/A
13	+5VDC
14	GROUND
15	-12VDC

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TOLERANCES:
X.XX ±0.020
X.XXX ±0.010

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