

DESCRIPTION:

PLANAR MONOLITHICS INDUSTRIES MODEL NUMBER PIM-11D2G18G-BPF HAS TWO SEPARATE 3.4 GHz PASSBANDS RANGING FROM 11.2 TO 14.6 GHz AND 14.6 TO 18.0 GHz. EACH CHANNEL HAS AN INDEPENDENT INPUT AND OUTPUT CONTAINED WITHIN THE SAME SMALL UNIVERSAL MOUNTING ENCLOSURE.

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	2/20/2019	

SPECIFICATIONS:

- PASSBAND 1:

FREQUENCY RANGE:.....

11.2 TO 14.6 GHz

INSERTION LOSS:.....

5 dB TYP

IN & OUT VSWR:.....

2:1 MAX

REJECTION:

LOW SIDE:.....

0.1 TO 9.4 GHz -60 dBc MAX

HIGH SIDE:.....

16.9 TO 18.0 GHz -60 dBc MAX
- PASSBAND 2:

FREQUENCY RANGE:.....

14.6 TO 18.0 GHz

INSERTION LOSS:.....

5 dB TYP

IN & OUT VSWR:.....

2:1 MAX

REJECTION:

LOW SIDE:.....

0.1 TO 12.3 GHz -60 dBc MAX

HIGH SIDE:.....

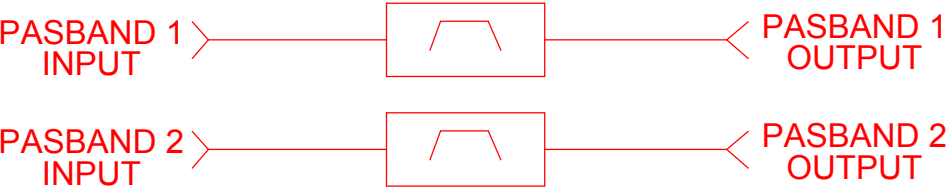
20.8 GHz & ABOVE -60 dBc MAX
- CONNECTORS:.....

MALE SMPM
- SIZE:.....

5.00" X 1.20" X 0.46"
- FINISH:.....

GOLD PLATED

BLOCK DIAGRAM



ENVIRONMENTAL RATINGS:

- TEMPERATURE:.....

-40°C TO +85°C (OPERATING)

-40°C TO +85°C (STORAGE)
- HUMIDITY:.....

MIL-STD-810, 0 TO 95% NON-CONDENSING
- SHOCK:.....

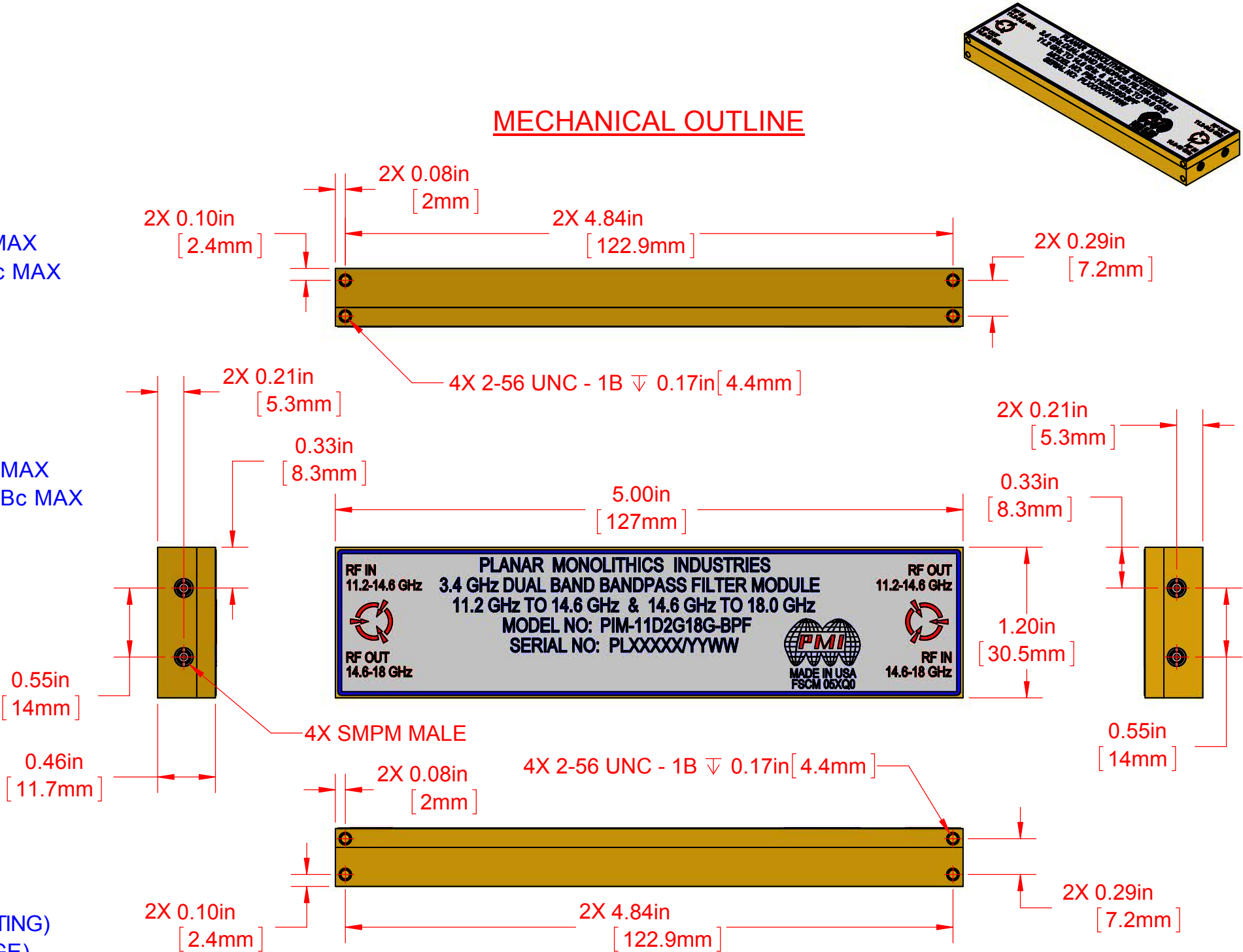
MIL-STD-810, 516.6 COMPLIANT, 20G, 11 ms DURATION
- VIBRATION:.....

MIL-STD-810, METHOD 515, FIG. 3 (NON-OP)
- ALTITUDE:.....

MIL-STD-810, 15000 FT

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

MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

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			APPROVALS		DATE			
DRAWN M. HANKEN			2/20/2019		TITLE OUTLINE PIM-11D2G18G-BPF			
REDRAWN								
ISSUED					SIZE B	FSCM NO. 05XQ0	DWG NO. 27035937	REV. A1
					SCALE 1:1			SHEET 1 OF 1

			UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XX ± 0.02 ± .XXX ± 0.01 ±		