

**DESCRIPTION:**

PLANAR MONOLITHICS INDUSTRIES MODEL NUMBER PIM-4D4G11D2G-BPF HAS TWO SEPARATE 3.4 GHz PASSBANDS RANGING FROM 4.4 TO 7.8 GHz AND 7.8 TO 11.2 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	2/11/2019	

**SPECIFICATIONS:**

• PASSBAND 1:

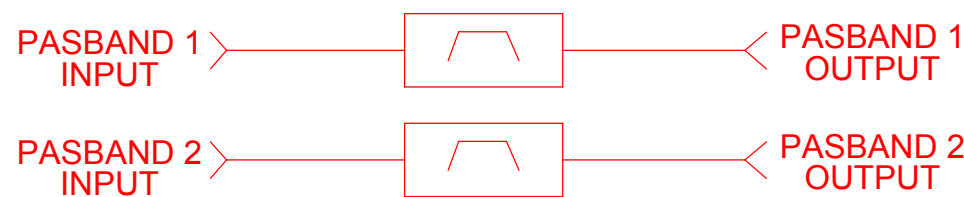
- FREQUENCY RANGE:..... 4.4 TO 7.8 GHz
- INSERTION LOSS:..... 4 dB TYP
- IN & OUT VSWR:..... 2:1 MAX
- REJECTION:
  - LOW SIDE:..... 0.1 TO 3.65 GHz -60 dBc MAX
  - HIGH SIDE:..... 9.1 TO 18.0 GHz -60 dBc MAX

• PASSBAND 2:

- FREQUENCY RANGE:..... 7.8 TO 11.2 GHz
- INSERTION LOSS:..... 4 dB TYP
- IN & OUT VSWR:..... 2:1 MAX
- REJECTION:
  - LOW SIDE:..... 0.1 TO 6.5 GHz -60 dBc MAX
  - HIGH SIDE:..... 13.0 TO 18.0 GHz -60 dBc MAX

- CONNECTORS:..... MALE SMPM
- SIZE:..... 5.50" X 1.20" X 0.55"
- FINISH:..... GOLD PLATED

**BLOCK DIAGRAM**

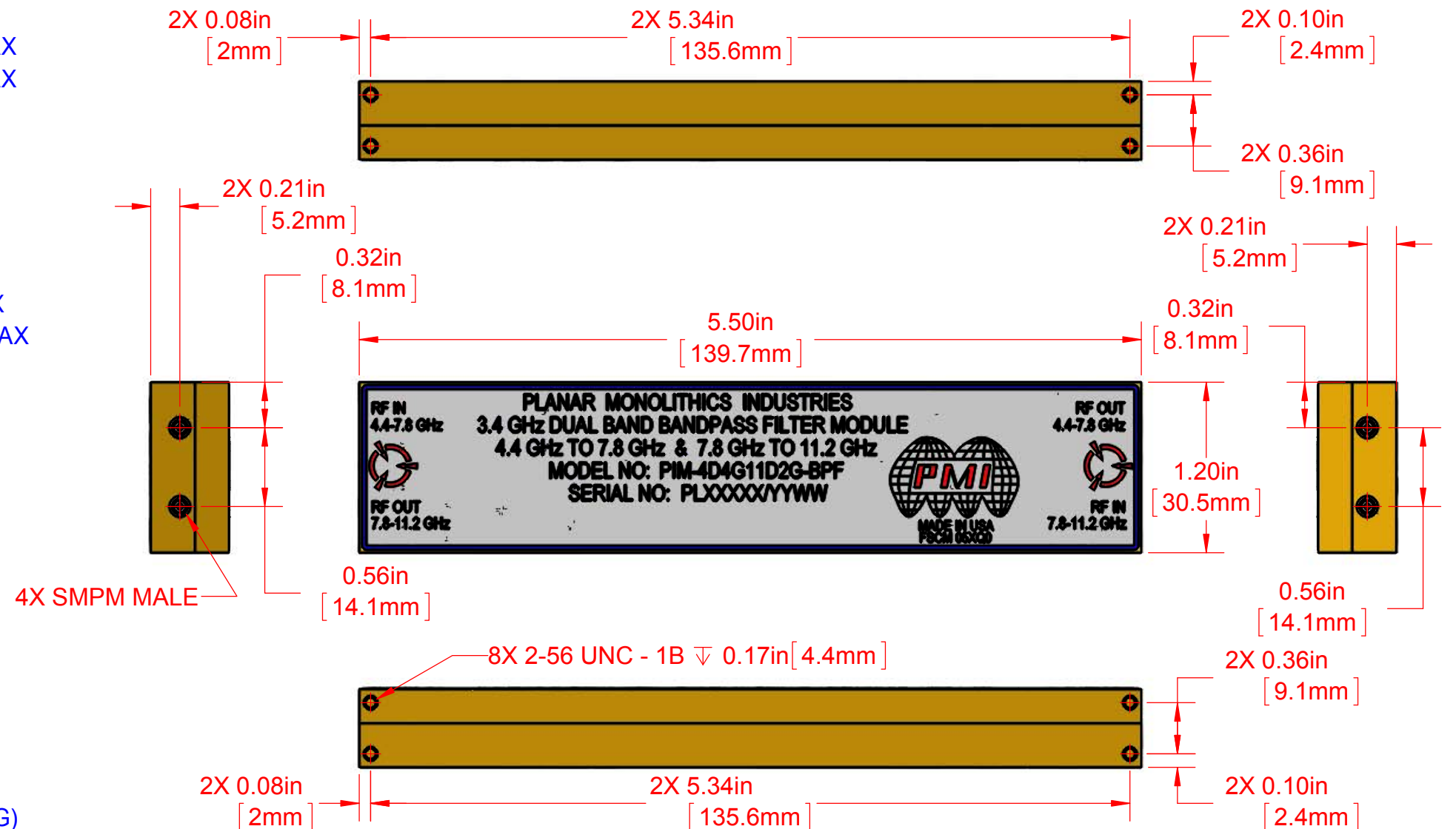


**ENVIRONMENTAL RATINGS:**

- 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

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XX ± 0.02 ± ± .XXX ± 0.01		APPROVALS DRAWN M. HANKEN REDRAWN ISSUED		DATE 2/11/2019	PLANAR MONOLITHICS INDUSTRIES, INC.  7311-F GROVE ROAD FREDERICK, MARYLAND 21704 USA TEL: (301)-862-5019, FAX: (301)-662-1731 WEB: www.pmi-rf.com, EMAIL: sales@pmi-rf.com ISO 9001 CERTIFIED	
TITLE OUTLINE PIM-4D4G11D2G-BPF			SIZE B	FSCM NO. 05XQ0	DWG NO. 27035941	REV. A1
SCALE 1:1			SHEET 1 OF 1			