

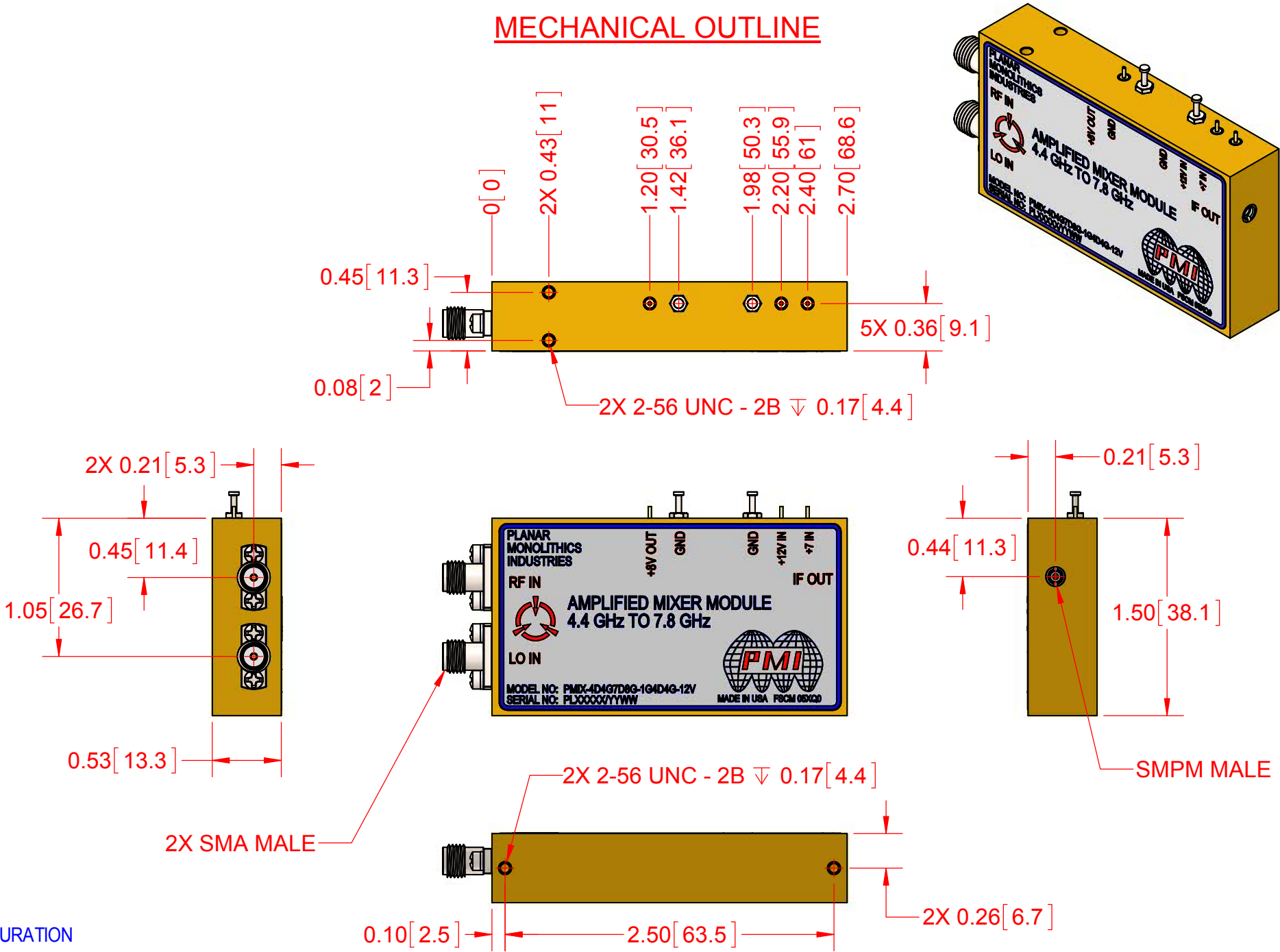
DESCRIPTION:
PLANAR MONOLITHICS INDUSTRIES MODEL NUMBER PMIX-4D4G7D8G-1G4D4G-12V IS A DOWN CONVERTER MODULE WITH AN AMPLIFIED BANDPASS OUTPUT OF 1-4.4 GHz.

- SPECIFICATIONS:**
- RF INPUT FREQUENCY RANGE:..... 4.4 TO 7.8 GHz
 - RF INPUT POWER:..... -15 dBm TYP, -10 dBm MAX
 - LO INPUT:..... 8.8 GHz
 - LO INPUT POWER:..... +18 dBm TYP
 - IF OUTPUT RANGE:..... 1 TO 4.4 GHz
 - GAIN:..... 3 dB TYP
 - HARMONICS:..... -60 dBc MAX
 - SPURIOUS:..... -60 dBc MAX
 - OUTPUT IP3:..... +25 dBm
 - RF INPUT VSWR:..... 5:1 TYP, 6.5:1 MAX
 - IF OUTPUT VSWR:..... 2:1 TYP, 2.5:1 MAX
 - ABSOLUTE MAX RF POWER(SURVIVAL): +25 dBm
 - ABSOLUTE MAX LO POWER(SURVIVAL): +25 dBm
 - DC POWER:..... +7VDC TO +12VDC @ 250 mA
- CONNECTORS:
- INPUTS:..... SMA MALE
 - OUTPUT:..... SMPM MALE
- SIZE:..... 2.70" X 1.50" X 0.525"
- FINISH:..... GOLD PLATED
- (OPTIONAL)
- DC POWER OUT:..... +8VDC @ 500 mA
(THIS WILL INCREASE DC INPUT POWER)

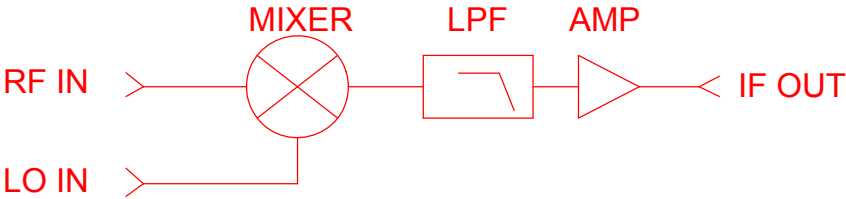
- ENVIRONMENTAL RATINGS:**
- TEMPERATURE:..... -40°C TO +85°C (OPERATING)
-40°C TO +85°C (STORAGE)
 - HUMIDITY:..... MIL-STD-810, 0 TO 95% NON-CONDENSING
 - SHOCK:..... MIL-STD-810, 516.6 COMPLIANT, 20G, 11 ms DURATION
 - VIBRATION:..... MIL-STD-810, METHOD 515, FIG. 3 (NON-OP)
 - ALTITUDE:..... MIL-STD-810, 15000 FT

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

MECHANICAL OUTLINE



BLOCK DIAGRAM



APPROVALS				DATE			
DRAWN				1/14/2019			
M. HANKEN							
REDRAWN							
ISSUED							

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

PMI CONFIDENTIAL AND PROPRIETARY			
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TITLE			
OUTLINE			
PMIX-4D4G7D8G-1G4D4G-12V			
SIZE	FSCM NO.	DWG NO.	REV.
B	05XQ0	27035921	A1
SCALE 1:1			SHEET 1 OF 1