

DESCRIPTION

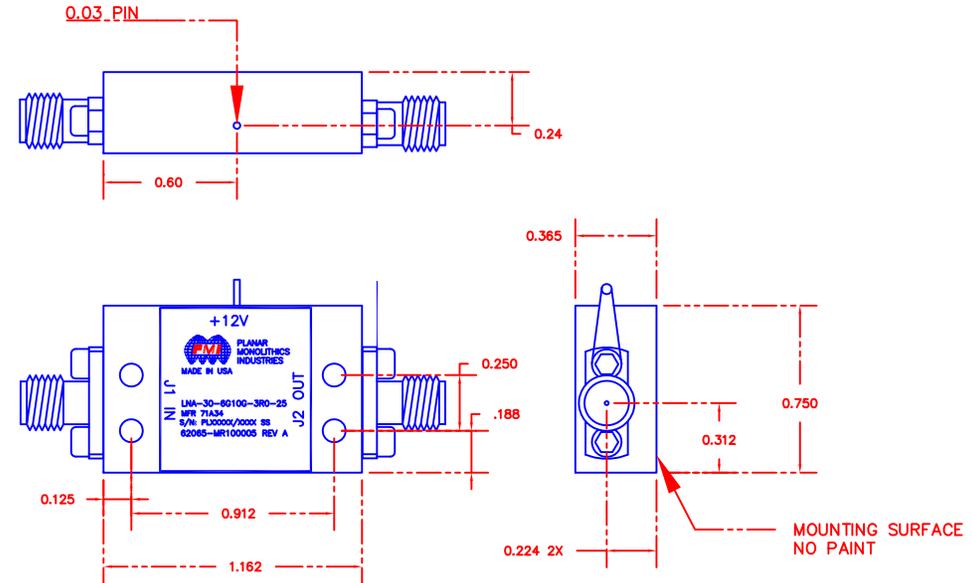
PMI MODEL LNA-30-6G10G-3R0-25 OPERATES AT FREQUENCY RANGE OF 6.0-10.0GHz.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	PRELIMINARY	8-8-18	

SPECIFICATIONS

- FREQUENCY RANGE:.....6.0 TO 10.0 GHz
- OP1dB:.....+25dBm MIN
- OUTPUT IP3:.....+35dBm MIN
- MAX INPUT:.....+20dBm
- GAIN @25°C BASE PLATE TEMPERATURE:.....30dB ± 1.5dB, ± 2.0 OVER TEMP
- NOISE FIGURE:.....3.0dB MAX @ 25°C, 5.0dB OVER TEMP
- VSWR (INPUT/OUTPUT):.....2.0:1 MAX
- SPURIOUS:.....-60dBc MAX
- DC VOLTAGE:.....+12V TO +14V @ 550 mA MAX
- CONNECTORS IN/OUT:.....SMA FEMALE CONNECTORS
- SIZE:.....1.162”(L) X 0.750”(W) X 0.365”(H)
- FINISH:.....BLUE EPOXY PAINT

MECHANICAL OUTLINE



ENVIRONMENTAL RATINGS

- **TEMPERATURE:**.....-30°C TO +75°C (OPERATING)
-40°C TO +85°C (STORAGE)
- **HUMIDITY:**.....MIL-STD-810, METHOD 507, PROCEDURE II
- **SHOCK:**.....MIL-STD-810, METHOD 516 PROCEDURE 1
- **ALTITUDE (OPERATING):**.....MIL-STD-810, METHOD 500 PROCEDURE II
- **ALTITUDE (STORAGE):**.....MIL-STD-810, METHOD 500 PROCEDURE I
- **VIBRATION**.....MIL-STD-810, METHOD 514, PROCEDURE II
- **EXPLOSIVE ATMOSPHERE:**.....MIL-STD-810, METHOD 511.4 PROCEDURE I

PMI CONFIDENTIAL AND PROPRIETARY

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

ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX ±0.010
X.XXX ±0.005

APPROVALS		DATE	TITLE			
DRAWN	JM	8-8-18	PRODUCT FEATURE LNA-30-6G10G-3R0-25			
CHECKED			SIZE	FSCM NO.	DWG NO.	REV.
ISSUED			A	71A34	PRELIMINARY	1
			SCALE	N: S	SHEET	1 OF 1