

DESCRIPTION

PMI MODEL LNA-30-10G18G-3R0-25 OPERATES AT FREQUENCY RANGE OF 10.0-18.0GHz.

SPECIFICATIONS

- FREQUENCY RANGE:.....10.0 TO 18.0 GHz
- OP1dB:+25dBm MIN
- OUTPUT IP3:+35dBm MIN
- MAX INPUT:+20dBm
- GAIN @25°C BASE
PLATE TEMPERATURE:.....30dB $\pm$ 1.5dB, $\pm$ 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

ENVIRONMENTAL RATINGS

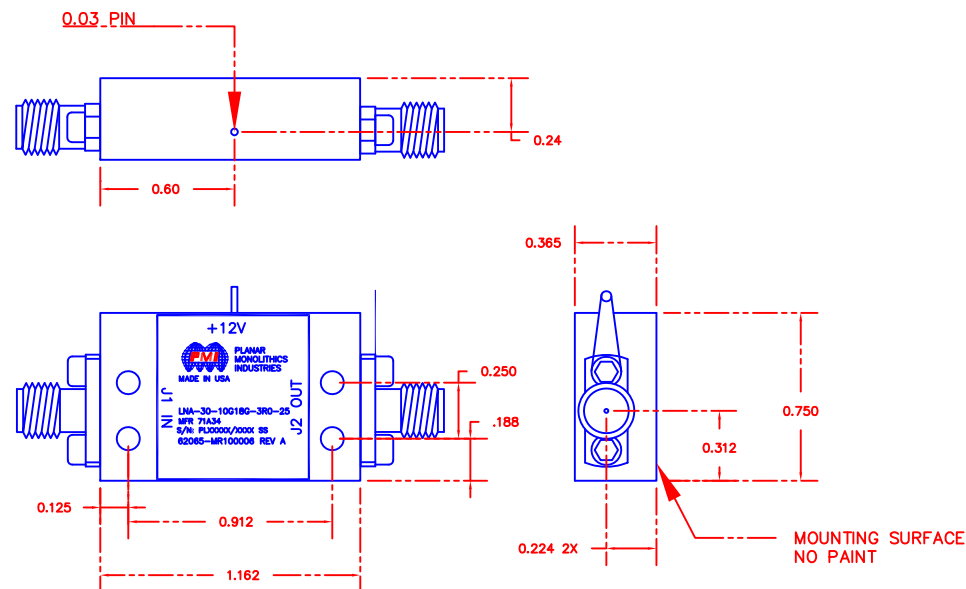
- **TEMPERATURE:**.....-30°C TO +75°C (OPERATING)
-40°C TO +85°C (STORAGE)
- **HUMIDITY:**.....MIL-STD-810, METHOD 507, PROCEDURE II
- **SHOCK:**.....MIL-STD-810, METHOD 516 PROCEDURE 1
- **ALTITUDE (OPERATING):**.....MIL-STD-810, METHOD 500 PROCEDURE II
- **ALTITUDE (STORAGE):**.....MIL-STD-810, METHOD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

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 $\pm$ 0.010
X.XXX $\pm$ 0.005

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

MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

PLANAR MONOLITHICS INDUSTRIES, INC.

4921 ROBERT J. MATHEWS PKWY #1
EL DORADO HILLS, CA 95762
TEL: 916-542-1401 FAX: 916-265-2597
WEBSITE: www.pmi-rf.com
E-MAIL: sales@pmi-rf.com
ISO 9001 CERTIFIED



APPROVALS		DATE		TITLE			
DRAWN		JM		8-8-18		PRODUCT FEATURE	
CHECKED						LNA-30-10G18G-3R0-25	
ISSUED							
SIZE		FSCM NO.		DWG NO.		REV.	
A		71A34		PRELIMINARY		1	
SCALE		N: S		SHEET		1 OF 1	