

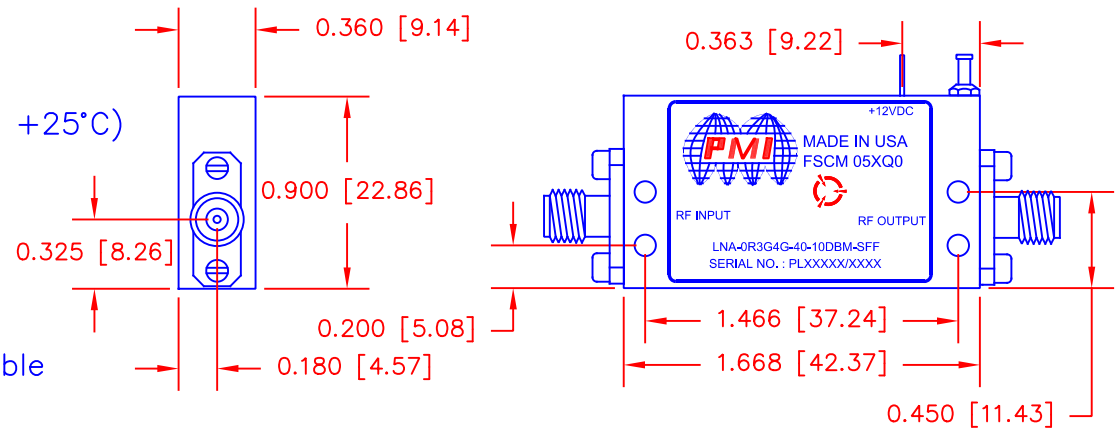
# DESCRIPTION

PMI Model No. LNA-0R3G4G-40-10DBM-SFF Is a 0.3 to 4.0 GHz Low Noise Amplifier with a P1dB of +10dBm. Supplied in a small housing measuring only 0.9 X 1.668 X 0.36 inches.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	6/17/2026	

# SPECIFICATIONS (FROM -54°C TO +71°C)

- Frequency Range: 0.3 TO 4.0 GHz
- Gain: 38dB MIN / 41dB TYP
- Input Power: +20dBm MAX
- P1dB: +10.0 dB MIN
- Noise Figure: 1.8 dB MAX (-54°C to +25°C)  
2.2 dB MAX (+71°C)
- VSWR Input/Output: 2.0:1 MAX
- DC Voltage Supply: +12VDC +/-5%
- DC Current Draw (Iq): 160mA MAX
- Connectors: SMA(F) – Field Removable
- Finish: Gold Plated & Hermetically Sealed



PMI CONFIDENTIAL AND PROPRIETARY

# ENVIRONMENTAL RATINGS

- TEMPERATURE:** -54°C TO +55°C (OPERATING)  
-57°C TO +85°C (NON-OPERATING)  
-54°C TO +71°C (INTERMITTENT OPERATION FOR 30 MINS)
- \* All electrical specifications will be satisfied at all temperature ranges
- HUMIDITY:** 100% RH (With condensation) Hermetically Sealed
- SHOCK:** MIL-HDBK-5400 4.62.6
- VIBRATION:** MIL-HDBK-5400 4.6.2.5 Equipment designed for install in JET aircraft  
W0=0.171G/Hz (15.1 Grms)
- ALTITUDE:** 43,000 FT
- TEMPERATURE CYCLE:** MIL-STD-202F, METHOD 107D COND. A

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

ALL DIMENSIONS ARE IN INCHES  
TOLERANCES:  
X.XX ±0.020  
X.XXX ±0.010  
WEIGHT: X.XX oz.

# PLANAR MONOLITHICS INDUSTRIES, INC.

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APPROVALS		DATE	TITLE			
DRAWN	AG	6/17/26	PRODUCT FEATURE LNA-0R3G4G-40-10DBM-SFF-HERM			
CHECKED			SIZE	FSCM NO.	DWG NO.	REV.
ISSUED			A	05XQ0	PRELIMINARY	-
			SCALE	N:S	SHEET	1 OF 1