

DESCRIPTION

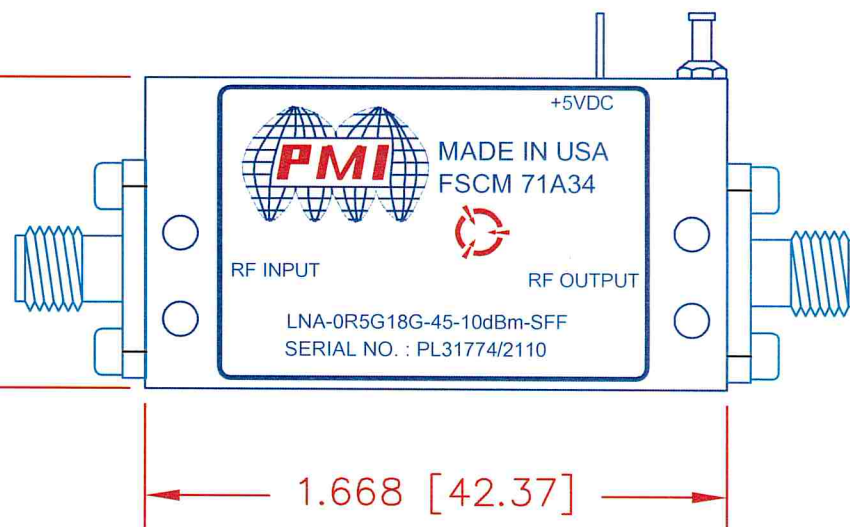
PMI Model No. LNA-OR5G18G-45-10dBm-SFF Is a 0.5 to 18GHz Low Noise Amplifier with a P-1dB of +10dBm. Supplied in a small housing measuring only 0.9 X 1.668 X 0.35 inches.

REVISIONS			
ZONE	REV.	DESCRIPTION	DATE
	A1	RELEASE	08/11/21
	A2	ECN 22-0060	1-27-22
APPROVED			

SPECIFICATIONS

Frequency Range:	0.5 TO 18 GHz
Gain:	45dB Typ
Flatness:	+/-2.0dB
Noise Figure:	3.5dB Max
VSWR Input/Output:	2.2:1 Typ, 2.5:1 Max
DC Voltage Supply:	+5VDC
DC Current Draw:	500mA Max.
CONNECTORS:	SMA(F)
Operating Temperature:	-40 to +85 Deg C
Storage Temperature:	-54 to +95 Deg C
Finish:	Gold Plated

0.901 [22.89]



PMI CONFIDENTIAL AND PROPRIETARY

ENVIRONMENTAL RATINGS

- **TEMPERATURE:** ——— -40°C TO +85°C (OPERATING)
— -54°C TO +95°C (STORAGE)
- **HUMIDITY:** ——— MIL-STD-202F, METHOD 103B COND. B
- **SHOCK:** ——— MIL-STD-202F, METHOD 213B COND. B
- **VIBRATION:** ——— MIL-STD-202F, METHOD 204D COND. B
- **ALTITUDE:** ——— MIL-STD-202F, METHOD 105C COND. B
- **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.

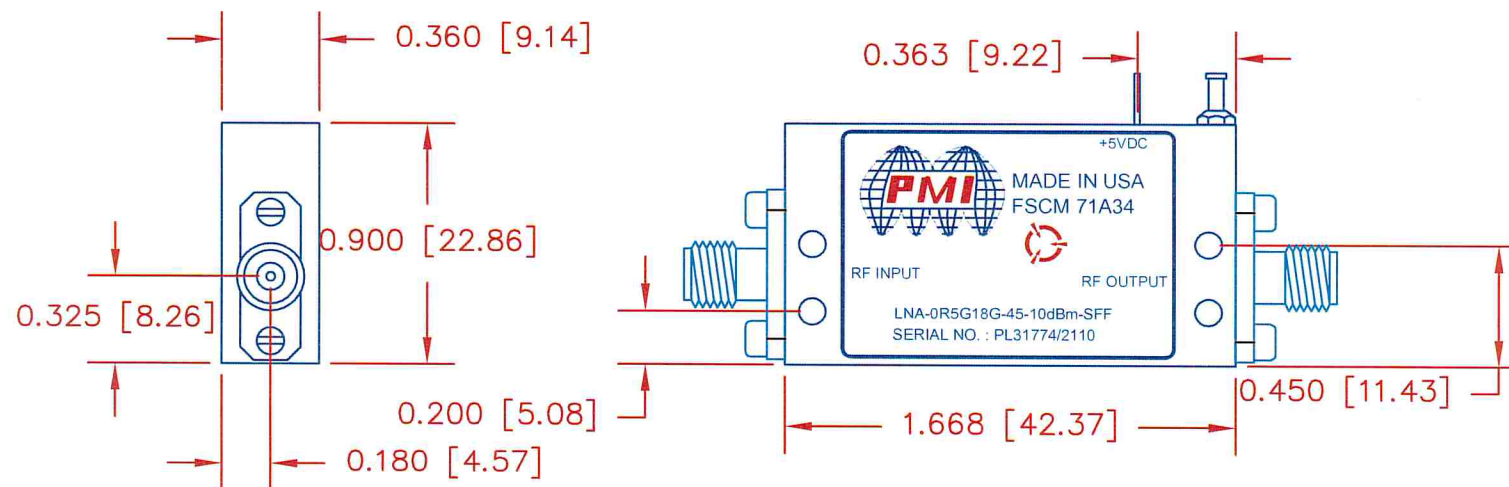
PLANAR MONOLITHICS INDUSTRIES, INC.

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		J.M.		PRODUCT FEATURE			
CHECKED		11/30/20		LNA-OR5G18G-45-10dBmSFF			
ISSUED				SIZE	FSCM NO.	DWG NO.	REV.
				A	71A34	27040701	A2
				SCALE	N:S	SHEET	1 OF 2

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	RELEASE	03/11/21	
	A2	ECN 22-0060	4-27-22	



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



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

APPROVALS		DATE	TITLE			REV.
DRAWN		11/30/20	PRODUCT FEATURE			
CHECKED			LNA-0R5G18G-45-10dBm-SFF			
ISSUED			SIZE	FSCM NO.	DWG NO.	
			A	71A34	27040701	A2
			SCALE	N:S	SHEET	1 OF 2