

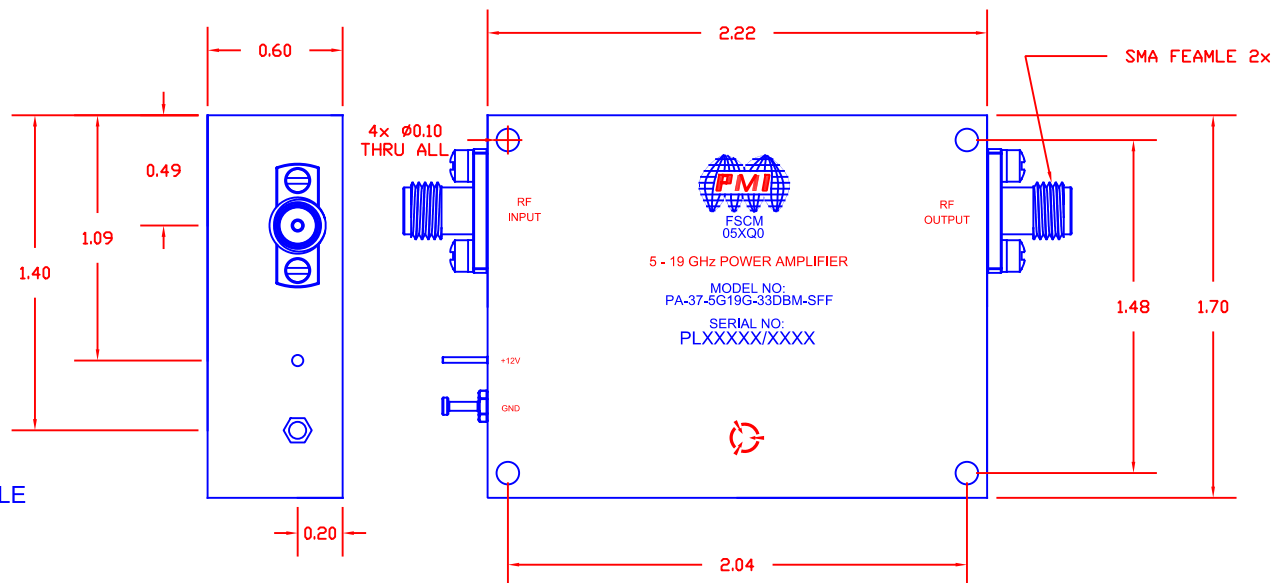
Description:

PMI Model PA-37-5G19G-33DBM-SFF is a Power Amplifier with operating frequency of 5 to 19 GHz and 35 dB Gain minimum.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	1/25/24	
	1	TYPO	2/21/24	

SPECIFICATIONS

- FREQUENCY RANGE: ----- 5 TO 19 GHz
- GAIN: ----- 35 dB MIN / 42 dB MAX
- GAIN FLATNESS: ----- +/-3.5 dB MAX
- OUTPUT POWER AT 1 dB COPRESSION POINT: ----- +33 dBm MIN
- OUTPUT 3rd ORDER INTERCEPT POINT: ----- +40 dBm TYP
- IMPEDANCE (INPUT): ----- 50 OHMs TYP
- IMPEDANCE (OUTPUT): ----- 50 OHMs TYP
- INPUT VSWR: ----- 2.1 MAX
- OUTPUT VSWR: ----- 2.1 MAX
- OPERATING DC VOLTAGE: ----- 12 VOLTS
- OPERATING DC CURRENT: ----- 2.5 AMPS
- CONNECTORS: ----- SMA FEMALE REMOVABLE
- SMALL GAIN REPEATIBILITY UNIT TO UNIT: ----- 3dB MAX AT THE SAME FREQUENCY
- INPUT POWER: ----- 15dBm MAX



PMI CONFIDENTIAL AND PROPRIETARY

ENVIRONMENTAL RATINGS

- TEMPERATURE: ----- -0 °C TO +50 °C (OPERATING)
----- -46 °C TO +100 °C (STORAGE)
- HUMIDITY: ----- MIL-STD-202, METHOD 103B COND. B
- SHOCK: ----- MIL-STD-202, METHOD 213B COND. B
- VIBRATION: ----- MIL-STD-202, METHOD 204D COND. B
- ALTITUDE: ----- MIL-STD-202, METHOD 105C COND. B
- TEMPERATURE CYCLE: ----- MIL-STD-202, METHOD 107D COND. A

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 ±0.020
X.XXX ±0.010

PLANAR MONOLITHICS INDUSTRIES, INC.

7311-F GROVE ROAD
FREDERICK, MARYLAND 21704 USA
TEL: 301-662-5019 FAX: 301-662-1731
WEBSITE: www.pmi-rf.com
E-MAIL: sales@pmi-rf.com
ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE			
DRAWN		1/25/24	PRODUCT FEATURE PA-37-5G19G-33DBM-SFF			
CHECKED			SIZE	FSCM NO.	DWG NO.	REV.
ISSUED			A	05XQ0	PRELIMINARY	1
SCALE			N:S	SHEET		1 OF 1