

DESCRIPTION:

PLANAR MONOLITHICS INDUSTRIES MODEL NUMBER PMIX-L4G20G-R2G-I100M4G-MAH IS AN ACTIVE MIXER WITH AN INTEGRATED LO AMPLIFIER. THIS COMPACT PACKAGE OFFERS THE FOLLOWING SPECIFICATIONS.

| ZONE | REV. | DESCRIPTION | DATE | APPROVED |
|------|------|------------------|------------|----------|
| | A1 | ORIGINAL RELEASE | 10/27/2017 | |



SPECIFICATIONS:

RF PORT

- FREQUENCY RANGE:..... 2.0 GHz TO 18.0 GHz
- AMPLITUDE:..... +5 dBm NOMINAL

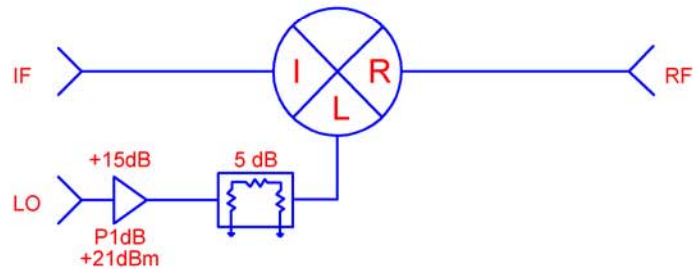
LO PORT

- FREQUENCY RANGE:..... 4.0 GHz TO 20.0 GHz
- AMPLITUDE:..... +10 dBm NOMINAL
- +VDC (INTERNAL AMP):..... +12 VDC @ 180 mA TYPICAL

IF PORT

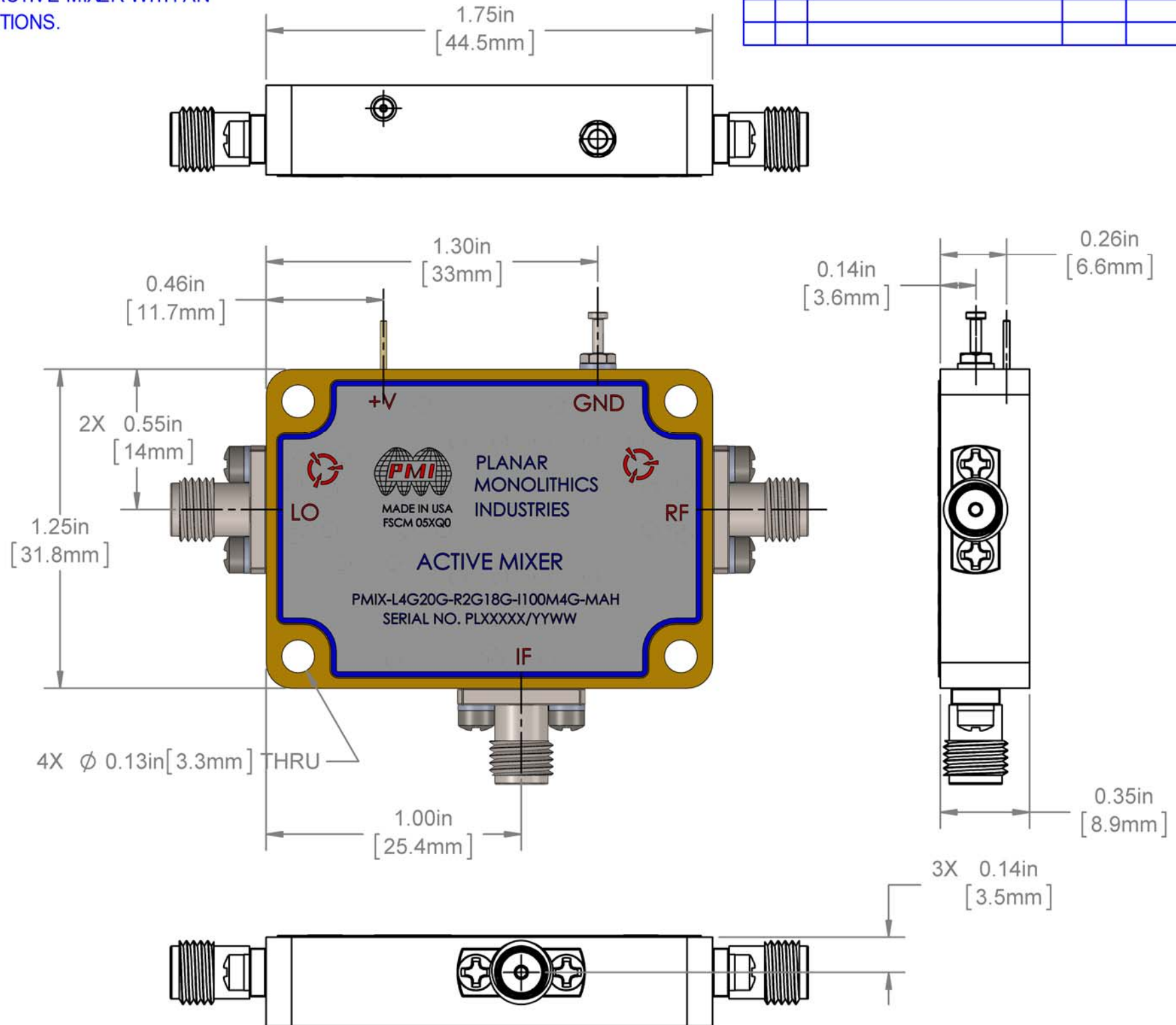
- FREQUENCY RANGE:..... 100 MHz TO 4 GHz
- AMPLITUDE:..... -8 dBm NOMINAL
- TTL LOGIC "1" = "ISOLATION"
- PINS E1, E2, & E3 ARE PULLED LOW "0"

- FINISH:..... GOLD PLATED



ENVIRONMENTAL RATINGS:

- TEMPERATURE:..... -40°C TO +85°C (OPERATING)
..... -65°C TO +125°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



PMI CONFIDENTIAL AND PROPRIETARY

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|---|--|------------|--|---------------------|
| APPROVALS | | DATE |  PLANAR MONOLITHICS INDUSTRIES, INC. 7311-F GROVE ROAD FREDERICK, MARYLAND 21704 USA TEL: (301)-862-5019 FAX: (301)-862-1731 WEB: www.pmi-rf.com EMAIL: sales@pmi-rf.com ISO 9001 CERTIFIED | |
| DRAWN M. HANKEN | | 10/27/2017 | TITLE OUTLINE | |
| REISSUED | | | PMIX-L4G20G-R2G18G-I100M4G-MAH | |
| ISSUED | | | SIZE B | REV. A1 |
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XX ± 0.02 ± ± .XXX ± 0.01 | | | FSCM NO. 05XQ0 | DWG NO. 27033740 |
| | | | SCALE 2:1 | SHEET 1 OF 1 |