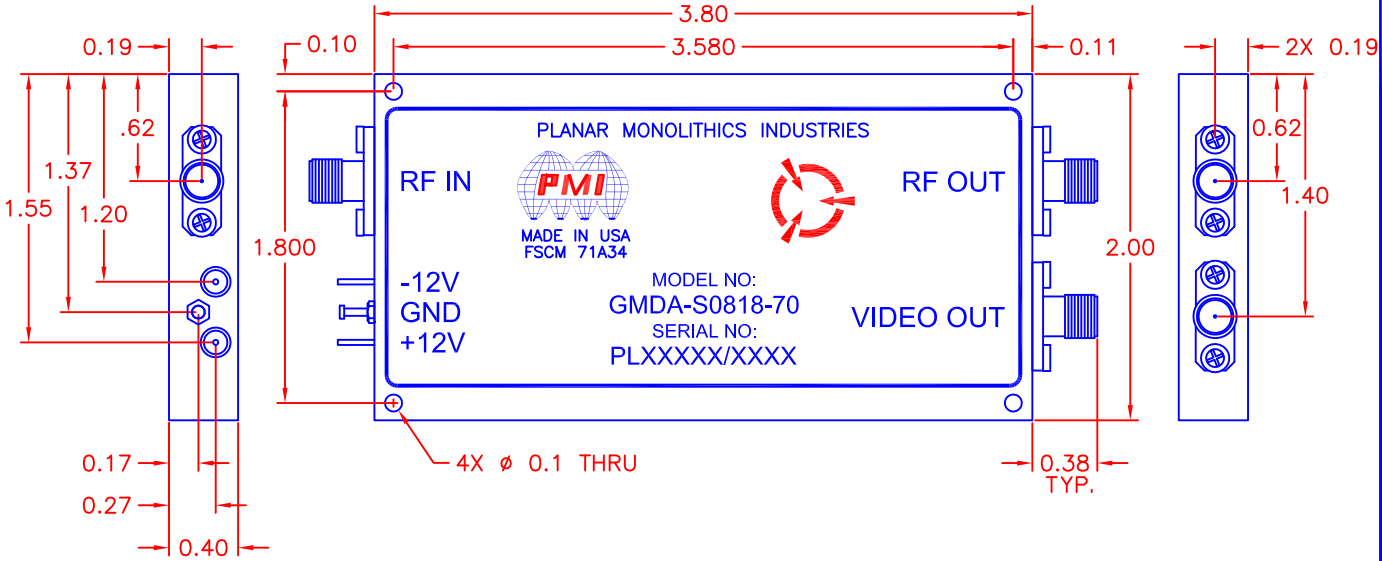
DESCRIPTION

PMI MODEL GMDA–S0818–70 IS A (8.0 TO 18.0) GHZ HIGH SPEED SDLVA WITH A LOGGING RANGE OF –70 TO +0 dBm, A TSS OF –73 dBm AND A LIMITED RF OUTPUT OF +13 dBm ±2 dB.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	–	PRELIMINARY	6-25-15	JM

SPECIFICATIONS

- FREQUENCY RANGE: ——— 8.0 TO 18.0 GHz
- LOGGING RANGE: ——— –70 TO 0 dBm
- LOGGING LINEARITY: ——— ±2.5 dB
- RISE TIME: ——— 10 ns
- FALL TIME: ——— 60 ns
- VSWR: ——— 2.0:1
- TSS: ——— –73 dBm
- LOG SLOPE: ——— 25 mV/dB
- VIDEO IMPEDANCE: ——— 100 OHMS
- RF OUTPUT: ——— +13 dBm ±2.0 dB
- RF GAIN: ——— 55 TO 60 dB TYP.
- BIAS (DC): ——— +12V / –12V



ENVIRONMENTAL RATINGS

- **TEMPERATURE:** ——— –40°C TO + 75°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

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

PMI CONFIDENTIAL AND PROPRIETARY

PLANAR MONOLITHICS INDUSTRIES, INC.
4921 ROBERT J MATHEWS PKWY
EL DORADO HILLS, CAL;IFORNIA 95762 USA
TEL: 916-542-1401 FAX: 916-265-2597
WEBSITE:www.pmi-rf.com
E-MAIL: sales@pmi-rf.com
ISO 9001:2008 CERTIFIED

APPROVALS	DATE
DRAWN JOHNM	6-25-15
CHECKED JOHNM	6-25-15
ISSUED	

TITLE: PRODUCT FEATURE
GMDA–S0818–70
(8.0 TO 18.0) GHz SDLVA

SIZE	FSCM NO.	DWG NO.	REV.
A	71A34	PRELIMINARY	–

SCALE N:S | SHEET 1 OF 1