# Description:

PMI Model No. PEC2-2G18G-21DBM-LM-SFF is a 2.0 to 18.0 GHz limiting amplifier that provides a limited output power level of +21dBm to +25dBm for an input power range of -45 to +10dBm CW. This model has output power level versus frequency compensation such that the limited output power has a flat frequency response. Supplied in a small housing measuring only 2.98" X 0.78" X 0.26".

This model provides the following performance.

Specifications:

Frequency Range:	2.0 to 18.0 GHz
Input Power:	-45 to +10dBm CW
Saturated Output Power:	+21.0dBm to 25dBm Nominal
Output Power Variation:	+/-2.0dBm Max. over operating temperature range
OP1dB:	4dBm below Psat typical
2nd Harmonic Rejection:	-8dBc @ Psat
3rd Harmonic Rejection:	-9dBc @ Psat
3rd Order Intercept Point:	35dBm - Design Goal
VSWR Input/Output:	2.0:1 Max.
Maximum RF Input Power:	+17dBm CW
DC Voltage Supply:	+15VDC (Including Reverse Polarity Protection and over voltage protection up to +/-25VDC)
DC Current Draw:	700mA Max.
Connectors:	SMA(F)
Operating Temperature:	-20 to +70 Deg. C
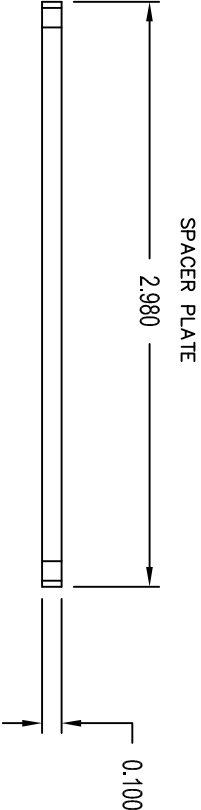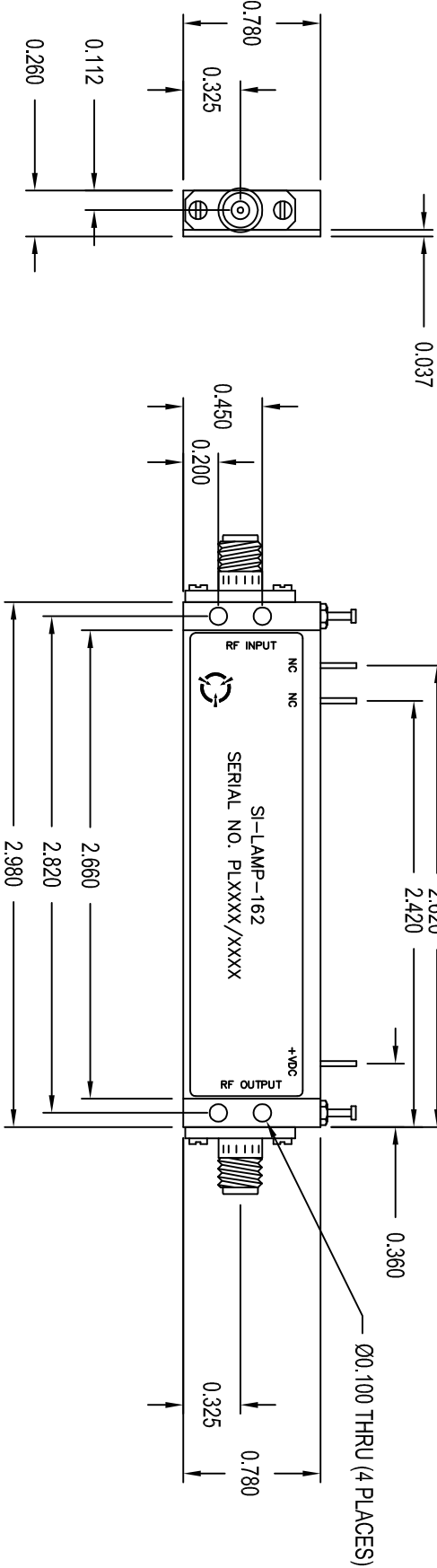
Environmental Ratings:

Temperature:	-20 to +70 Deg. C (Operating)
	-55 to +100 Deg. C (Storage)
Humidity:	MIL-STD-202F, METHOD 103B COND B.
Shock:	MIL-STD-202F, METHOD 213B COND B.
Altitude:	MIL-STD-202F, METHOD 105C COND B.
Temperature Cycle:	MIL-STD-202F, METHOD 107D COND A
EMI/EMC:	Designed to meet MIL-STD-461E

Note: The above specifications are subject to change or revision.