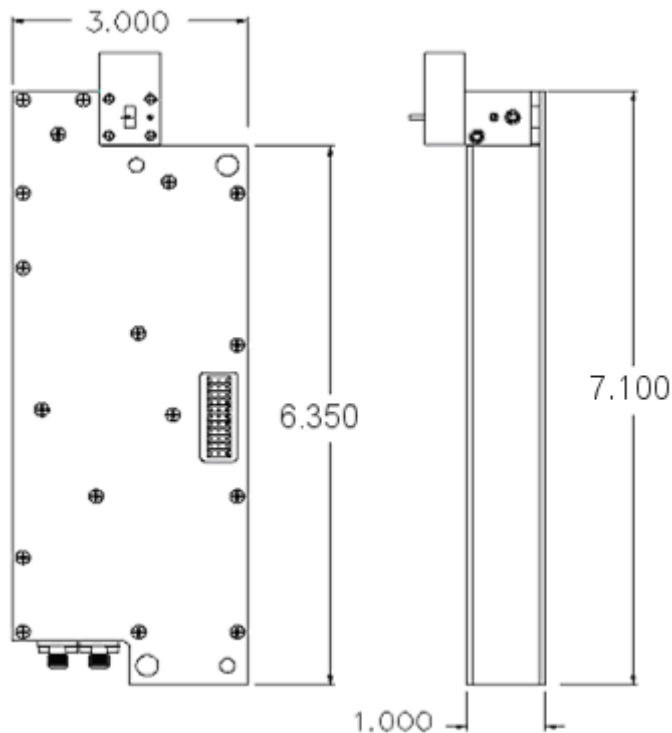


# 38 GHz Transmitter for Communication Applications

P/N: 38TXxxxx

## Electrical Specifications

RF FREQ	37-40 GHz
LO FREQ	8-13 GHz
IF FREQ	2 GHz
LO (IN) POWER	+5 dBm
IF (IN) POWER	-7 dBm
3 <sup>rd</sup> ORDER INTERCEPT Pt.	+35 dBm
RF OUTPUT POWER	
LINEAR	18.5 dBm
PSAT	30 dBm
RF POWER ADJUST	-30 dB
RF MUTE	-50 dB
RF FLATNESS	+/- 1.5 dB
RETURN LOSS	10 dB
POS SUPPLY	+8.4 V @ 2.4 A
NEG SUPPLY	-8 V @ 250 mA
RF OUTPUT	WR-28
IF INPUT CONN	SMA
LO INPUT CONN	SMA
TEMP RANGE	-35° C TO +75° C



Dimensions in Inches

## Description

The LNX line of transmitters offers small size, high performance, repeatability and reliability. Transmitters can be configured for fixed gain or with external gain adjustment. The LO source can be either customer supplied or internally generated. Also the optional temperature stable power detector can be custom configured to specific customer requirements. Various packages are available as well as custom designs.

