

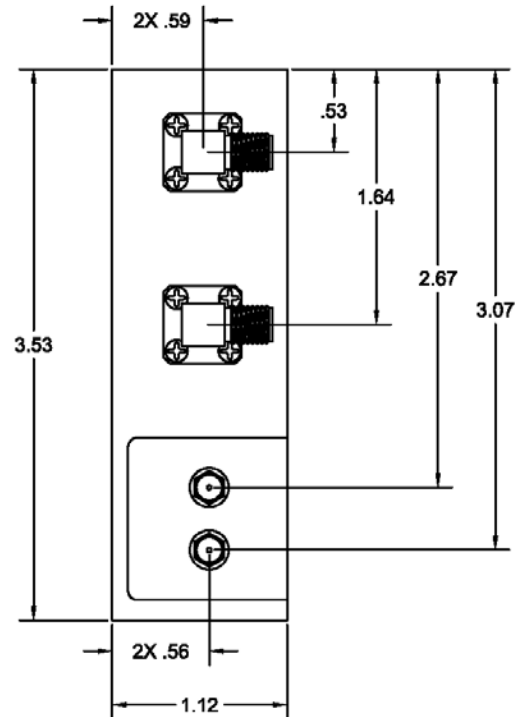
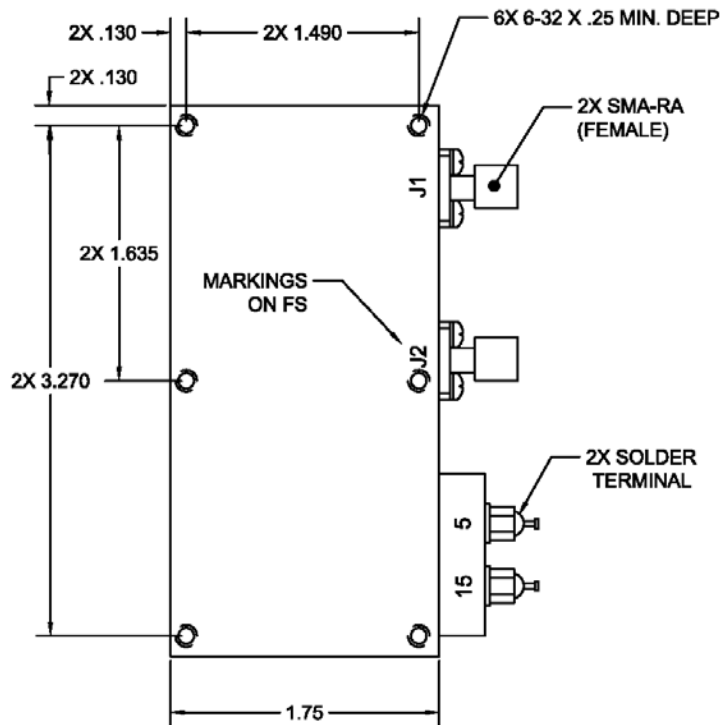


AM-229

VERY LOW NOISE FIGURE

UHF SATCOM LNA

VERY HIGH DYNAMIC RANGE



ELECTRICAL SPECIFICATIONS

FREQUENCY	243-270 MHz
GAIN, 243-270 MHz	30 dB min.
NOISE FIGURE, 243-270 MHz	0.7 dB max.
BANDWIDTH @ 1 dB down (relative to 256 MHz)	240-272 MHz min.
VSWR (Ref 50 Ohms)	
Input	1.5:1 max.
Output	1.5:1 max.
REVERSE ISOLATION, 10-600 MHz	50 dB min.
INPUT @ 1 dB gain compression, 243-270 MHz	0 dBm nom.
INPUT Signal, 100-400 MHz, Input Port	+20 dBm max.
INTERCEPT POINT, third order, 243-270 MHz	+ 43 dBm nom.

GENERAL CHARACTERISTICS

POWER (Note 1)	
+ 15.0 VDC	415 mA nom.
+ 5.0 VDC	85 mA nom.
SIZE (Note 2) excluding connectors	1.75" X 3.53" X 1.12"
WEIGHT	8 oz. max.
CONNECTORS	
J1, J2	SMA, Right Angle (FEMALE)
+ 15.0 , + 5.0 VDC	Solder Terminal

Note 1: This unit requires dual voltage: +15.0 VDC and +5.0 VDC.

Note 2: This unit is intended to be mounted on a chassis or plate that will provide additional thermal dissipation.

REV: 5/4/16