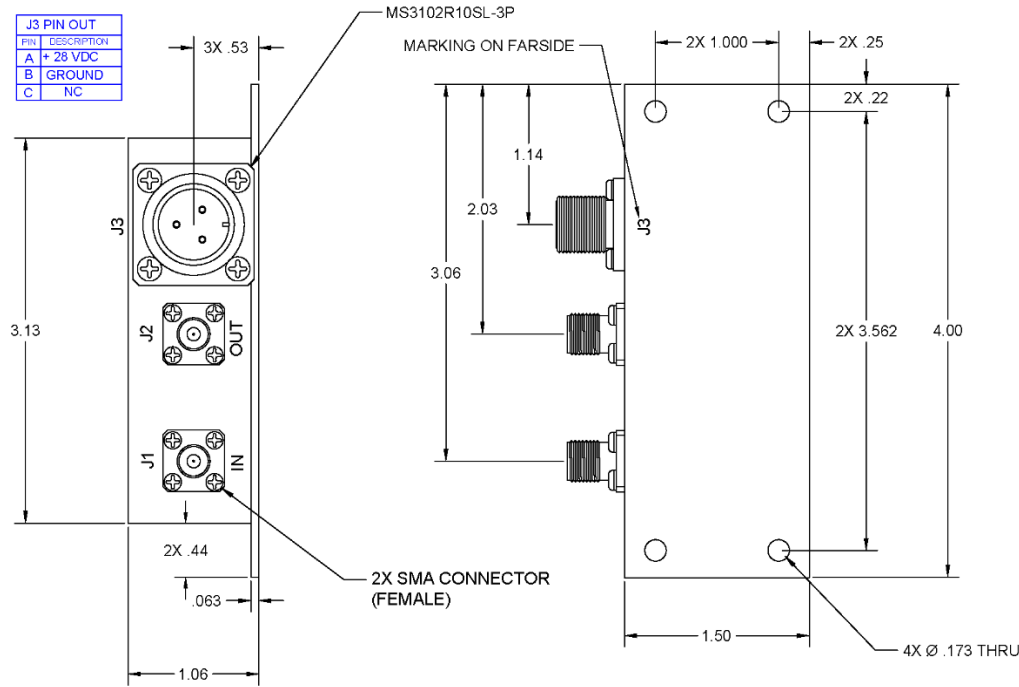




AM-212A

LOW NOISE AMPLIFIER UHF SATCOM (DAMA)



ELECTRICAL SPECIFICATIONS*

Passband, Optimized	240-272 MHz
VSWR, Input	2.0:1 max.
VSWR, Output	1.5:1 max.
Gain	31 dB min., 34 dB max.
Gain Variation over passband	0.5 dB max.
Reverse Isolation	50 dB min.
Noise Figure	1.0 dB nom.
Input @ 1 dB gain compression	-18 dBm min. (Note 1)
Max Input Signal (protection level)	
.1-1000 MHz	1 Watt
Intercept Point, third order	+23 dBm nom. (Note 1)
Power	
Voltage	+22 to +35 VDC
Current	90 mA nom.

GENERAL CHARACTERISTICS

WEIGHT	6 oz. max.
SIZE, excluding connectors	4.00" x 1.50" x 1.06"
CONNECTORS	
DC, J3	MS3102R10SL-3P
RF, J1 and J2	SMA (FEMALE)

*Unless otherwise shown, parameters pertain to 240-272 MHz.

Note 1: Protection of the LNA output from incident signals up to 1 Watt CW may be provided, however, this will decrease the input @ 1 dB gain compression to -25 dBm min., with a corresponding decrease in the third order intercept point.

REV: 6/3/2022