

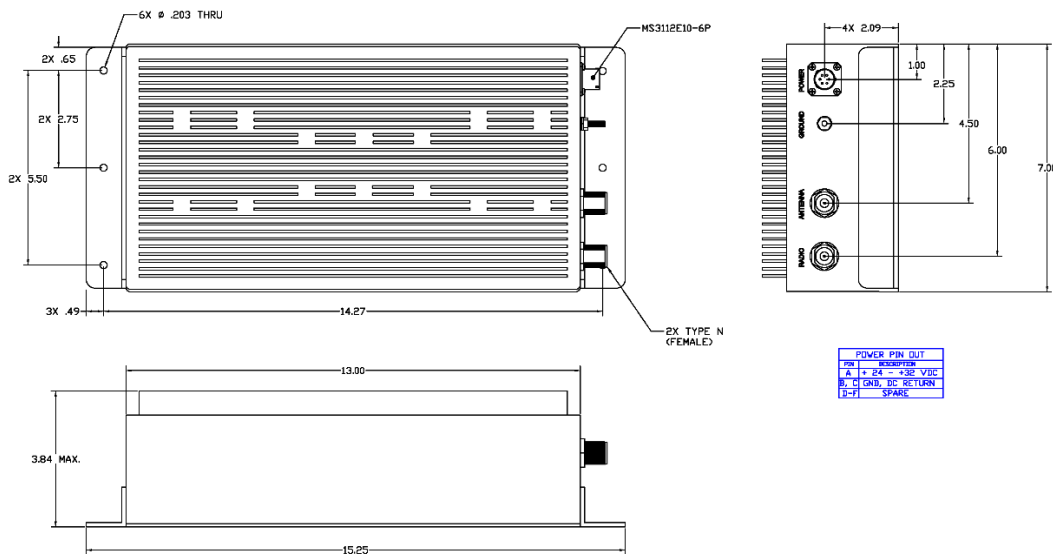


AM-224A

Automatic Transmit Mode Selection

AUTOMATIC SWITCHING LNA

Bypass Mode with Power Off



ELECTRICAL SPECIFICATIONS

RECEIVE MODE PERFORMANCE

Gain	
225-243 MHz	28.5 dB min.
243-270 MHz	28 dB min.
270-318 MHz	24 dB min.
318-380 MHz	23 dB min.
380-400 MHz	22 dB min.
VSWR, 243-270 MHz	1.5:1 max.
Noise Figure, 243-270 MHz	1.4 dB max.
Input @ 1dB gain compression	-1.0 dBm min.
Input signal (protection level) 225-400 MHz	1 W-CW, max.
Intercept point, third order	+39 dBm nom.
Reverse Isolation	50 dB min.

BYPASS MODE PERFORMANCE

Passband	0-512 MHz
Insertion Loss	0.3 dB max.
VSWR	1.4:1 max.

TRANSMIT MODE PERFORMANCE

Passband	225-400 MHz
Insertion Loss	225-318 MHz: 0.8 dB max. 318-400 MHz: 1.0 dB max.
VSWR over passband	1.5:1 max.
Input Power	+21 dBw max.

GENERAL CHARACTERISTICS

Operating Power	
Voltage	+ 28 VDC nom.
Current	0.8A max.
Environment, (not exposed to weather)	Shipboard/Airborne
Temperature	
Operating	-25°C to +55°C
Non-operating	-40°C to +75°C
Size, excluding connectors	15.25" x 7.00" x 3.84"
Weight	8 Pounds
Connectors	
Power, DC	MS3112E10-6P
Antenna, RF	TYPE N, Female
Radio, RF	TYPE N, Female

REV: 7/5/2018