

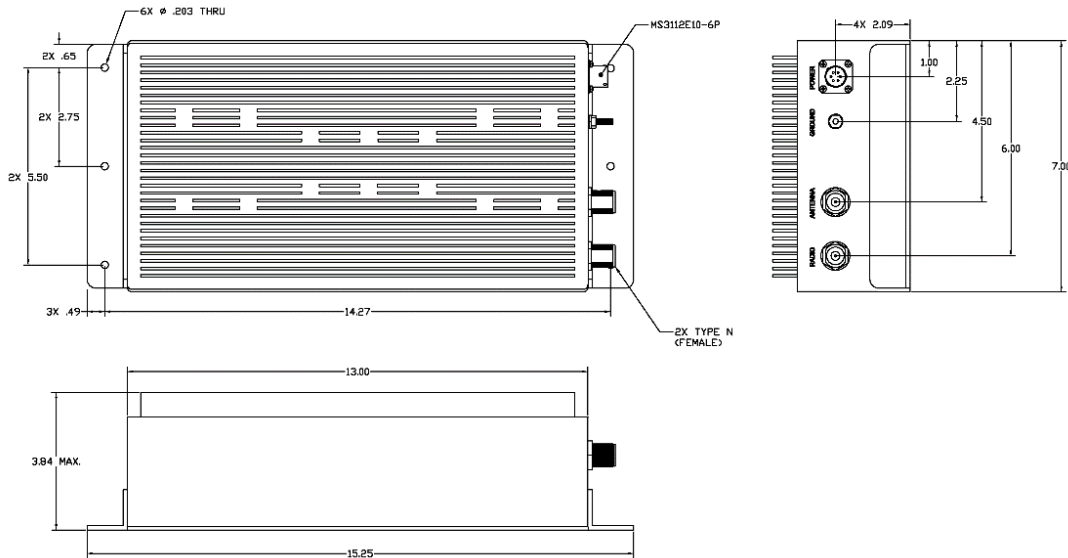


AM-224A

Automatic Transmit Mode Selection

AUTOMATIC SWITCHING LNA

Bypass Mode with Power Off



ELECTRICAL SPECIFICATIONS

RECEIVE MODE PERFORMANCE

Gain, 243-270 MHz	28 dB min./ 30.5 dB max.
Passband Roll-off, 243-270 MHz	0.5 dB max.
VSWR, 243-270 MHz	1.5:1 max.
Noise Figure, 243-270 MHz	1.4 dB max.
Input @ 1dB gain compression	0 dBm min.
Input signal (protection level) 243-270 MHz	+30 dBm, CW
Intercept point, third order	+39 dBm nom.
Reverse Isolation	55 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	0.8 dB max.
225-318 MHz	1.0 dB max.
318-400 MHz	1.5:1 max.
VSWR over passband	+21 dBw max.
Input Power	

GENERAL CHARACTERISTICS

Operating Power	
Voltage	+ 28 VDC nom.
Current	0.8A max.
Environment	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
Radio, RF	TYPE N

REV: 8/8/16