

## **1.1 PRODUCT DESCRIPTION**

### **General Characteristics**

Supply Voltage  $13.8V \pm 20\%$  (11.0 – 16.6 VDC)

Modulation Type AM, DSB-LC

Signal modulating the carrier 1778 Hz or 2778 Hz at 90% modulation typical sine wave

Operating Temperature –20to +60°C

Weight ~ 65 lbs.

Antenna connector type RX: BNC; TX: N

### **Transmitter Characteristics**

Frequency Range 450 - 460 MHz

Channel Spacing 25 kHz

RF Output Power 5 W @ 13.8 VDC

Frequency Stability 2.5ppm

LO, IF, XTAL frequencies 166.4 MHz, 616.4 MHz – 626.4 MHz; 12.8 MHz TCXO

Data rate 2778 Hz