

# 5KW and 6KW FM Amplifiers

## 5 KW and 6KW FM Amplifiers



- Solid state power MOSFET Technology
- Reliable design and manufacturer
- Frequency agile 87.5 - 108MHz
- Efficient state-of-the-art transistors and power supplies
- Extensive monitoring via Ethernet and Remote Samples
- 2 Year Warranty

### RF CHARACTERISTICS

<i>Output Impedance</i>	50 $\Omega$
<i>Input Power</i>	15 – 17 Watts Max
<i>Frequency Range</i>	87.5 – 108.0 MHz
<i>Nominal Output Power</i>	Model dependent (5KW, 6KW)
<i>Power Level</i>	Adjustable 1 – 105%
<i>Output Connector</i>	7/8 EIA
<i>Input Connector</i>	Type BNC
<i>Spurious Emissions</i>	Compliant to Industry Canada BETS-6 and FCC 73.317

### ELECTRICAL

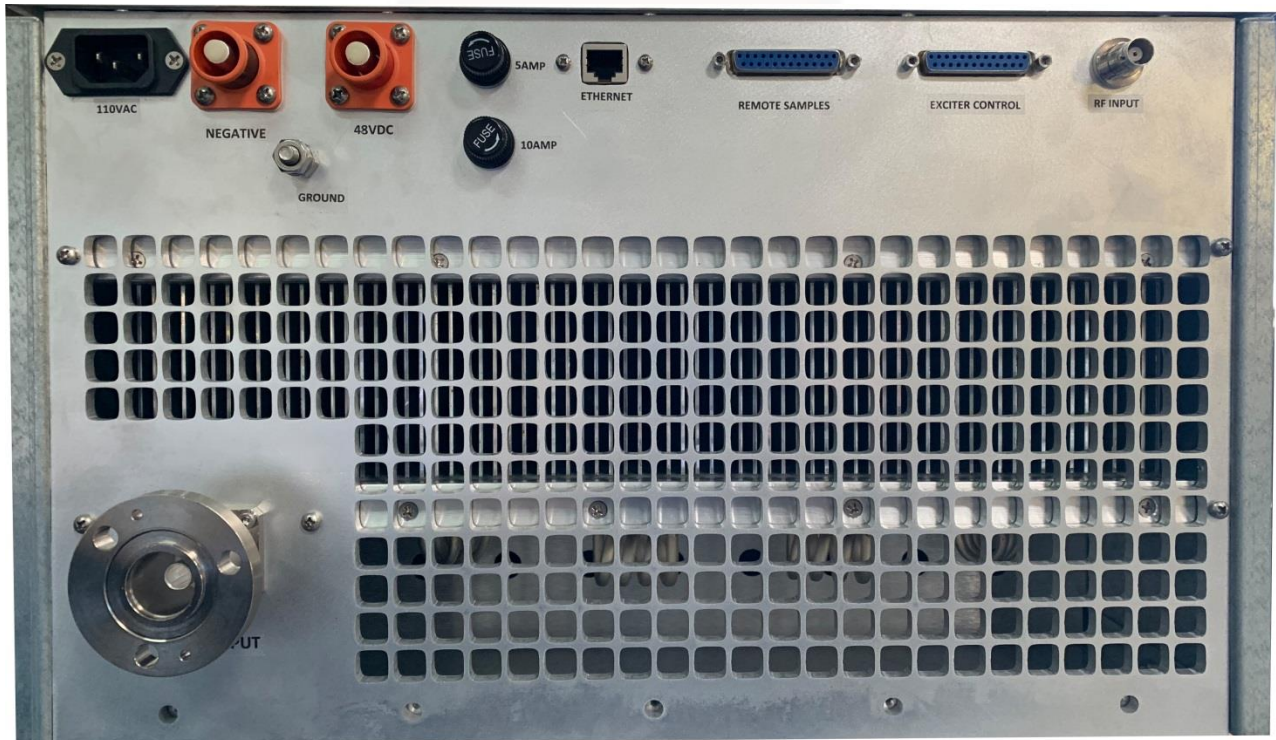
<i>AC Input Voltage</i>	200 - 250 Vac
<i>Overall Power Consumption</i>	5 KW = 7.352 KW, 6KW = 8.822 KW
<i>Overall Efficiency</i>	>68%
<i>PA Power Consumption</i>	5 KW = 6.410 KW, 6KW = 7.692 KW
<i>PA Efficiency</i>	>78%

## INTERFACE

<i>Remote Port</i>	<p><i>Control:</i> RF carrier on/off, Reset</p> <p><i>Monitor:</i> Forward/reflected RF level, control PCB Vcc</p> <p><i>Flags:</i> VSWR, Current, Voltage, Forward Power</p>
<i>Ethernet</i>	<p><i>Control:</i> RF carrier on/off, Reset</p> <p><i>Monitor:</i> Forward/reflected RF level, DC pallet voltage, RF input level, temperature, VSWR trip point, model</p> <p><i>Flags:</i> Carrier on/off, amplifier overdrive, DC pallet voltage, VSWR, RF input level, AGC/manual status</p>
<i>LCD Display</i>	<p><i>Monitor:</i> Forward/reflected RF level, DC pallet voltage, RF input level, pallet current</p> <p><i>Flags:</i> VSWR, Current, Voltage, Forward Power</p>



*LCD Display*



*Rear Panel Connections*

## PHYSICAL FEATURES

*Minimal Rack Space*  
*Lightweight Enclosures*  
*Operating Temperature*  
*Humidity*

7U  
Aluminum  
0 to +59° C  
90%, non-condensing

12.25" (H) x 30" (D) x 19" (W)