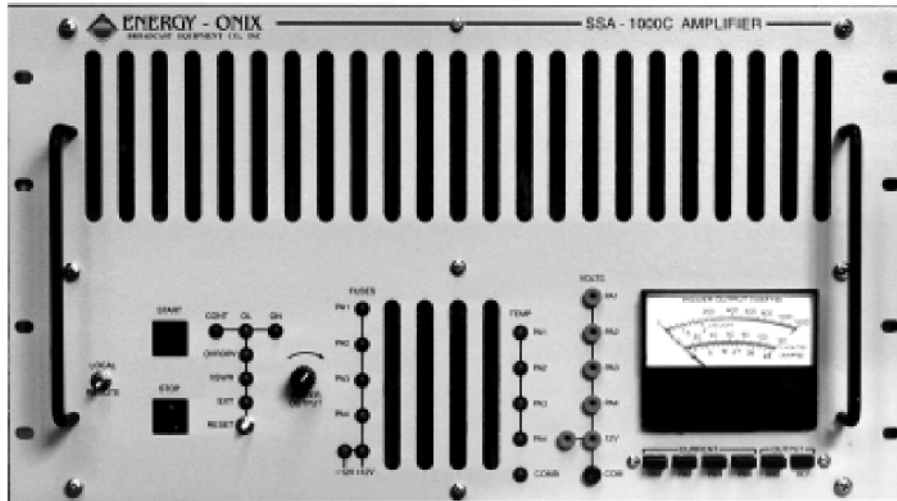


SSA-1000C

SOLID STATE 1KW AMPLIFIERS



FEATURES :

BROADBAND: No

tuning requirements 87 to 108 MHZ.

HIGH GAIN: Only 15-17 watts drive for 1 KW output.

COMPACT: Occupies only 10 1/2" of 19" rack space.

DESIGNED FOR "LOCAL" AND "REMOTE" OPERATION: Momentary connection to ground permits "Start", "Stop", and "Reset" functions, as well as all front panel readings at "remote" location.

FULL METERING: Front panel indicates voltages and currents of all pallets, as well as "Forward" and "Reflected" power outputs.

PROTECTED AGAINST VSWR, HIGH TEMPERATURE, AND OVERDRIVE:

"Foldback" circuitry automatically reduces RF drive when VSWR exceeds 1:5:1.

In addition, protection circuits turn off the amplifier if VSWR exceeds 2:1, or RF drive exceeds preset level, or if thermostats within equipment operate.

Thermostats are located on each of the (4) pallets and combiner reject load. **1KW**

RATING IS VERY CONSERVATIVE: The amplifier utilizes (4) 350 watt pallets that incorporate Phillips BGY 278 mosfets. Thus, the 1 KW rating is easily obtained. .

INSENSITIVE TO LINE VOLTAGE VARIATIONS: The amplifier contains (5) independent switching power supplies that work at line voltages of 100 to 250 VAC. These supplies are very light weight and occupy a minimum volume.



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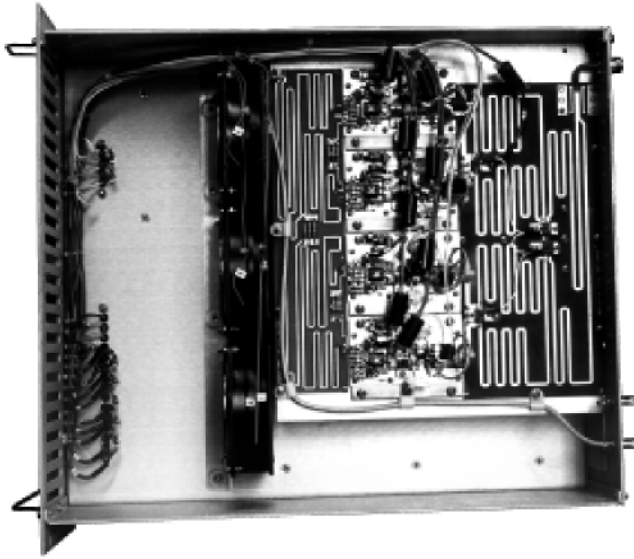
P.O. Box

801, 1306 River Street Valatie, New York 12184 VOICE:

518.758.1690 / 888.324.6649 FAX 518.758.1476 [E-MAIL:](mailto:energy-onix@energy-onix.com)

energy-onix@energy-onix.com

WEB SITE: www.energy-onix.com



TOP



BOTTOM

INSIDE VIEWS

TECHNICAL SPECIFICATIONS

POWER OUTPUT: 1100 WATTS

HARMONIC LEVEL: 80 DB BELOW CARRIER LEVEL

**FREQUENCY RANGE (NO TUNING REQUIRED):
87 TO 108 MHZ**

**POWER CONSUMPTION: AT 1KW OUTPUT,
1750 WATTS**

**RF DRIVE REQUIRE FOR 1000 WATTS
OUTPUT: 15-25 WATTS**

**LINE VOLTAGE: 100 TO 250 VAC; SINGLE PHASE.
50/60 HZ (SPECIFY)**

**RF OUTPUT IMPEDANCE: 50 OHMS (TYPE 'N'
CONNECTOR)**

MECHANICAL SPECIFICATIONS

AM NOISE: LESS THAN 60 DB BELOW CARRIER

DIMENSIONS: 19"W X 20"D X 10 1/2"H

FM NOISE: EQUAL TO EXCITER SOURCE

NET WEIGHT: 63 LBS.

GROSS WEIGHT: 100 LBS



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