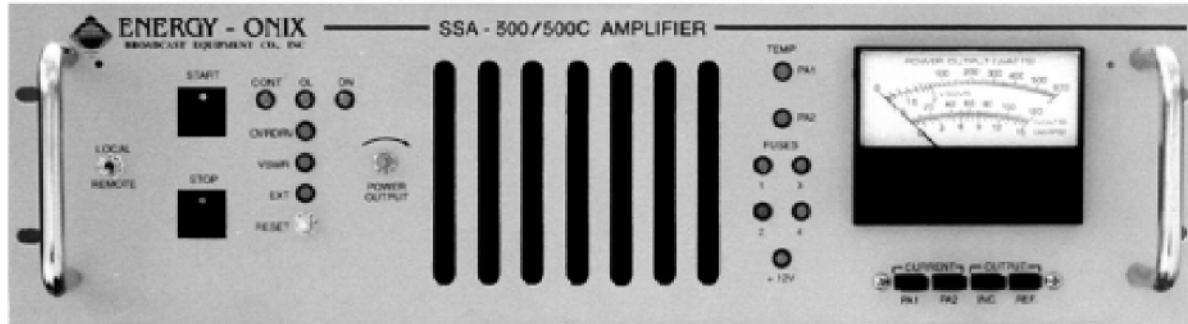


SSA-100C/SSA-150C/300C/SSA-500C

SOLID STATE 100/150/300/500 WATT

AMPLIFIERS



FEATURES:

BROADBAND: No turning requirements 87 to 108 MHZ.

HIGH GAIN: Only 5-7 watts drive for rated power output.

COMPACT: Occupies only 5 1/4" of 19" rack space.

DESIGNED FOR "LOCAL" AND "REMOTE" OPERATION: Monetary 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 (2) pallets and combiner reject load.

OUTPUT RATING IS VERY CONSERVATIVE: All amplifiers utilize 350 watt pallets that incorporate Phillips BGY-278 mosfets. The SSA-100, 150 and 300 uses one pallet while the SSA-500 uses two pallets.

INSENSITIVE TO LINE VOLTAGE VARIATIONS: The amplifier contains 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.



ENERGY-ONIX

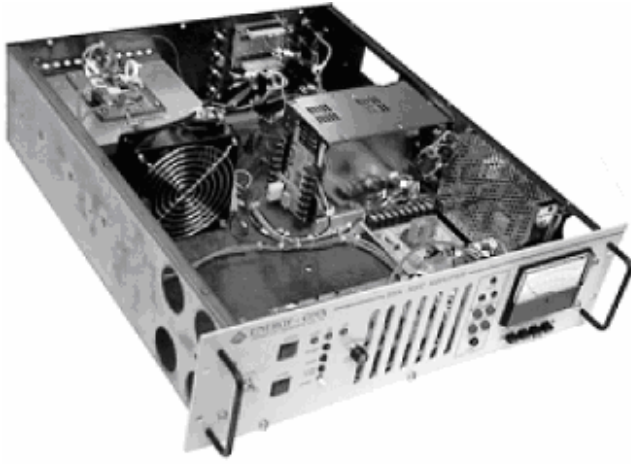
The Transmitter People

P.O.Box 801 1306 River Street – Valatie, New York 12184

Voice: 518-758-1690/888-324-6649-FAX: 518-758-1476

EMAIL: energy-onix@energy-onix.com

WEBSITE: www.energy-onix.com



SSA-100C/150C/300C



SSA-500C

INSIDE VIEWS

TECHNICAL SPECIFICATIONS

**POWER OUTPUT: SSA-100C, 100 WATTS
SSA-150C, 150 WATTS
SSA-300C, 350 WATTS
SSA-500C, 650 WATTS**

**FREQUENCY RANGE (NO TUNING REQUIRED)
88-108 MHz**

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

AM NOISE: LESS THAN 60 DB BELOW CARRIER

FM NOISE; EQUAL TO EXCITER SOURCE

HARMONIC LEVEL: 80 DB BELOW CARRIER LEVEL

**POWER CONSUMPTION:
SSA-100C @ 100 W OUTPUT -150W
SSA-150C @ 150W OUTPUT -250W
SSA-300C @ 300 W OUTPUT -495 W
SSA-500C @ 500 W OUTPUT - 900W**

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

MECHANICAL SPECIFICATIONS

DIMENSIONS: 19 W x 20 D x 5 ¼ H

**NEW WEIGHT: SSA - 100C - 30 LBS
SSA-150C - 30 LBS
SSA-300C - 32 LBS
SSA-500C - 34 LBS.**



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