



MODEL KAA2030M11
300 WATTS CW
500 KHz

The Model KAA2030M11 is a special-purpose, RF power amplifier at the frequency of 500 KHz. No tuning, band switching, or adjustments of any kind are required to operate this unit. Power output is in excess of 300 Watts into a 50-Ohm load.

Construction of this model is in a 5¼-inch high cabinet, 16 inches deep, exclusive of handles, and 10.5 inches wide, with mounting flanges. Input and output connectors are located on the rear. Forced-air cooling is by a highly reliable, tube-axial fan mounted at the rear.

Protection against excessive heat rise of the amplifier module heatsink is by a temperature-sensing switch that interrupts the gate bias supply to the amplifier devices when activated. Operation resumes automatically when temperature has returned to normal operating temperature.

SPECIFICATIONS

- RATED POWER OUTPUT 300 Watts
- INPUT POWER + 10.3 dBm (3.4V P-P) for 300W
- FREQUENCY 500 KHz
- INPUT/OUTPUT IMPEDANCE 50 Ohm nominal
- MISMATCH TOLERANCE infinite @ 125W, 3:1 @ 200w
- PROTECTION Over-temperature; Open output/Short output

INTERFACE

<u>NORMAL</u>	<u>LED STATUS</u>
Operational	Power (GREEN)
RF present	RF active (AMBER)
Control connector [pin 1]	50 OHM TO Ground
<u>FAULTS</u>	<u>LED STATUS</u>
Over Temperature	TEMP (RED FLASHING)
Overload	LOAD (RED FLASHING)

- CONNECTORS Input/Output = Type BNC female; Control = 9-Pin D-Sub
- OPERATING TEMPERATURE -10 to 40 °C
- AC FUSE 6A
- PRIMARY POWER 100-220VAC, 47-63Hz, 670VA maximum
- SIZE (W x H x D) 13.3 x 26.7 x 40.7 cm, 5¼ x 10½ x 14.5 in.
- WEIGHT 7.7kg, 17 lb.

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