



MODEL KAA2070M11
100 WATTS CW
70 MHz - 76 MHz

The Model KAA2070M11 is a Class AB wideband RF power amplifier delivering in excess of 100 Watts into a 50-Ohm load over the frequency range of 70 MHz to 76 MHz.

The system features forward and reflected power indication on a front panel-mounted analog meter; over-drive protection; full VSWR protection, over-temperature protection, over-voltage, and over-current.

System is CW rated with fast keying option.

The Model KAA2070M11 is a 19-inch rack-mount unit, 3.5 inches high and 20 inches deep. Construction is completely modular; all subassemblies are readily removable.

SPECIFICATIONS

RATED POWER OUTPUT	100 W @ <1 dB compression
FREQUENCY RESPONSE	70 MHz - 76 MHz
GAIN/FLATNESS @ HALF POWER.....	57 dB ± 2 dB max
HARMONIC DISTORTION	2 nd -25 dBc max; 3 rd -18 dBc maximum
PROTECTION	VSWR, over-temperature, over-drive, over-voltage, over-current
SPURIOUS	-70 dBc max
GAIN CONTROL	≥ 10 dB
OPERATING TEMPERATURE	-20/+60 °C
KEYING/GATING TIME.....	10 µSec; 5 µSec typical
ON/OFF RATIO	-90dbc minimum
INDICATORS.....	SYSTEM ON, METER FORWARD/REFLECT, FAULTS LED: OVERDRIVE, OVERTEMP, VSWR, PSU FAILURE
RF CONNECTORS	Type N female (rear panel)
COOLING	2-speed fans
POWER (AC Power).....	90-260Vac / 46-63Hz / 300 VA max
SIZE (H x W x D)	3.5" x 19" x 20"
WEIGHT	20 lb



DB-9 Control Pinout & Functions

Pin 1-5		Ground
Pin 8	Keying	0.1V-0.5V (LOGIC LOW) or ground; to activate the amplifier system
		3V-5V (LOGIC HIGH) or open; to gate off the amplifier system
Pin 9	Fault Line	> 5V (LOGIC HIGH) indicates a fault condition
		<0.5V (LOGIC LOW) indicated a normal condition
Pin 6 & 7		Not Connected

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