

MODEL KMA2020
100 WATTS CW
10 kHz - 230 MHz

The Model KMA2020 is an RF power amplifier module for OEM applications or integration into a user system. The module comprises a printed wiring assembly housed in a machined aluminum enclosure with feed-through capacitive terminals for connection to the DC power source. Cooling requirements defined by the data provided below and protection of the output devices against output mismatch are the responsibility of the user.

SPECIFICATIONS

RATED POWER OUTPUT	100 Watts
INPUT FOR RATED OUTPUT	1.0 mW maximum
POWER OUTPUT @ 1db COMPRESSION	110 Watts minimum
CLASS OF OPERATION.....	Class AB
FLATNESS	± 1.5 dB maximum
FREQUENCY RESPONSE.....	10 kHz - 230 MHz
GAIN	50 dB minimum
INPUT IMPEDANCE.....	50 Ohm nominal
OUTPUT IMPEDANCE	50 Ohm nominal
MISMATCH TOLERANCE	3:1 maximum
MODULATION CAPABILITY.....	Will faithfully reproduce AM, FM, or pulse modulation appearing on the input signal
NOISE FIGURE (above 1.0 MHz)	10 dB typical
HARMONIC DISTORTION	-18 dBc maximum
PRIMARY POWER	30 V @ 18 A (Solder terminals)
RF CONNECTORS	SMA female
COOLING.....	Maximum allowable enclosure temperature 60 °C



