

MODELS KMA4020P
500 WATTS PULSE
1 MHz – 50 MHz

The Model KMA4020P is an RF power amplifier module for OEM applications or integration into a user system. The module comprises a printed wiring assembly with integral heatsink and 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	500 Watts
INPUT FOR RATED OUTPUT	0dBm nominal
POWER OUTPUT @ 1db COMPRESSION	475 Watts minimum
CLASS OF OPERATION.....	Class AB
FLATNESS	± 2.5 dB maximum
FREQUENCY RESPONSE.....	1MHz – 50 MHz
GAIN	57 dB minimum
INPUT/OUTPUT IMPEDANCE	50 Ohm nominal
RF RISE/FALL TIME	<5uS
MISMATCH TOLERANCE	3:1 maximum
MODULATION CAPABILITY.....	Will faithfully reproduce AM, FM, or pulse modulation appearing on the input signal
NOISE FIGURE.....	10 dB typical
HARMONIC DISTORTION	- 12 dBc typical
PRIMARY POWER	42 V @ 20 A/25 A (Solder terminals)
RF CONNECTORS	BNC female gate in, N female RF in, N female RF out
COOLING.....	Maximum allowable enclosure temperature 60 °C



