

**MODEL KMA2010**  
**100 WATTS CW**  
**500 kHz - 100 MHz**

The Model KMA2010 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 .....	1-2 mW maximum
POWER OUTPUT @ 1db COMPRESSION .....	90 Watts minimum
CLASS OF OPERATION.....	Class A
FLATNESS .....	± 2.0 dB maximum
FREQUENCY RESPONSE.....	500 kHz - 100 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 .....	- 13 dBc maximum
PRIMARY POWER .....	28 V <sub>dc</sub> @ 13 A (Solder terminals)
RF CONNECTORS .....	SMA female
COOLING.....	Maximum allowable enclosure temperature 60 °C

