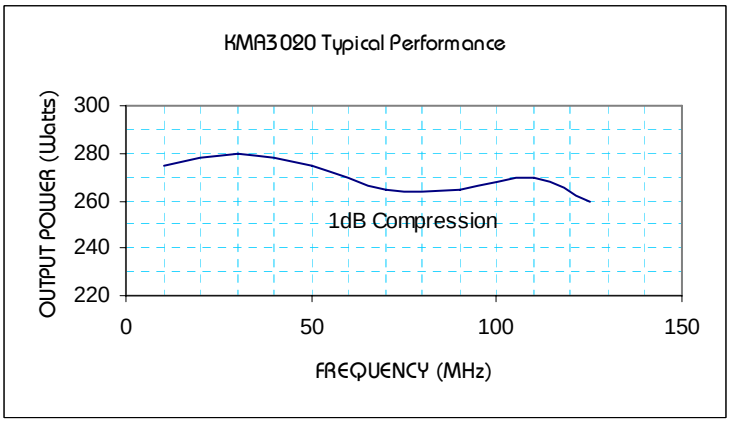
MODEL KMA3020
250 WATTS CW
10 MHz - 125 MHz

The Model KMA3020 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	250 Watts
INPUT FOR RATED OUTPUT	10 W maximum
POWER OUTPUT @ 1db COMPRESSION	250 Watts minimum
CLASS OF OPERATION	Class AB
FLATNESS	± 1.5 dB maximum
FREQUENCY RESPONSE	10 MHz – 125 MHz
GAIN	13 dB minimum
INPUT IMPEDANCE	50 Ohm nominal
OUTPUT IMPEDANCE	50 Ohm nominal
MISMATCH TOLERANCE	4:1 maximum
MODULATION CAPABILITY	Will faithfully reproduce AM, FM, or pulse modulation appearing on the input signal
NOISE FIGURE	10 dB typical
HARMONIC DISTORTION	–11 dBc maximum
PRIMARY POWER	28 V_{dc} @ 18 A (Solder terminals)
RF CONNECTORS	N female
COOLING	Maximum allowable enclosure temperature 60 °C



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REV A

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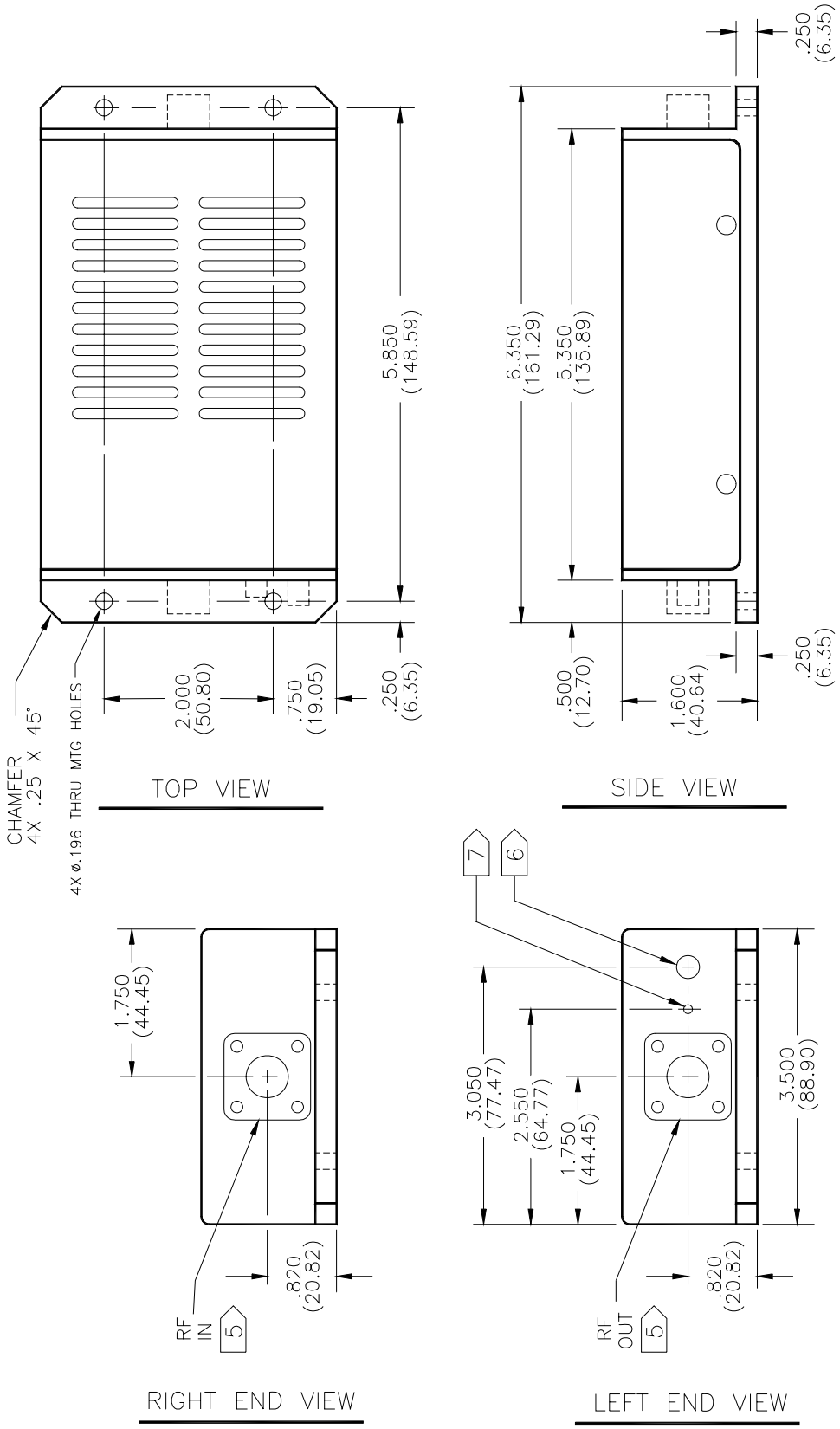

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