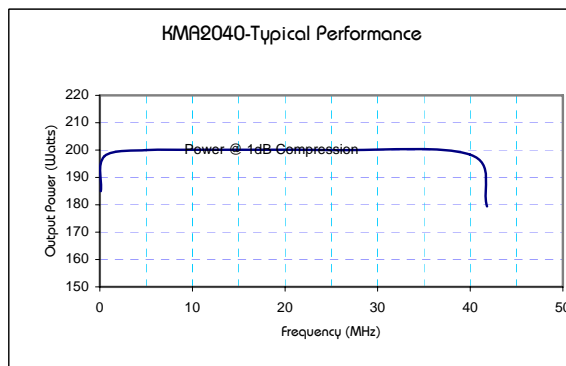


MODEL KMA2040
200 WATTS CW/PULSE
500 kHz - 40 MHz

The Model KMA2040 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. OPTIONAL: (FOR -003 ONLY) Dual Blanking Kit PN: 4-93-001-001. This provides gate bias control from TTL input.

SPECIFICATIONS

RATED POWER OUTPUT	200 Watts
INPUT FOR RATED OUTPUT	2.0 mW maximum
POWER OUTPUT @ 1db COMPRESSION	200 Watts minimum (-003 CW/Pulse)
CLASS OF OPERATION.....	Class AB
FLATNESS	± 1.5 dB maximum
FREQUENCY RESPONSE.....	500 KHz - 40 MHz
.....	500 KHz – 1 MHz (20% Duty Cycle)
.....	1 MHz – 40 MHz (100% Duty Cycle)
GAIN	50 dB minimum
INPUT IMPEDANCE.....	50 Ohm nominal
OUTPUT IMPEDANCE	50 Ohm nominal
MISMATCH TOLERANCE	2:1 maximum
MODULATION CAPABILITY	Will faithfully reproduce AM, FM, or pulse modulation appearing on the input signal
NOISE FIGURE	12 dB typical
HARMONIC DISTORTION	- 11 dBc maximum
PRIMARY POWER	28 V _{dc} @ 15 A (Solder terminals)
RF CONNECTORS	N female
COOLING.....	Maximum allowable enclosure temperature 60 °C



DOC # 7-98-326-001
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MODEL CONFIGURATIONS

MODEL NUMBER	HEATSINK	HEATSINK SPECS	WEIGHT	SIZE (WxHxD)
KMA2040	NO	-	1.7 kg (3.75 lb.)	11.68 x 3.81 x 26.67 cm 4.6 x 1.5 x 10.5 in.
KMA2040M1	YES	.95 kg, 38.2 sq.in/1", 1.7 °C/W/3"	2.65 kg (5.83 lb.)	11.68 x 7.37 x 26.67 cm 4.6 x 2.9 x 10.5 in
KMA2040P	YES	.95 kg, 38.2 sq.in/1", 1.7 °C/W/3"	2.65 kg (5.83 lb.)	11.68 x 7.37 x 26.67 cm 4.6 x 2.9 x 10.5 in

