



modular rf

MODEL KMA2040M12
P/N: 1-60-326-007X
200 WATTS CW
500 kHz - 40 MHz

The Model KMA2040M12 is an RF power amplifier module that is RoHS compliant 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	200 Watts
INPUT FOR RATED OUTPUT	2.0 mW maximum
CLASS OF OPERATION	Class A
FLATNESS.....	± 1.5 dB maximum
FREQUENCY RESPONSE	500 kHz - 40 MHz
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 VDC @ 16 A (Solder terminals)
RF CONNECTORS	N female
COOLING.....	Maximum allowable enclosure temperature 60 °C
BIAS SETTING	5 Amps at Final Stage
THERMAL SENSING:.....	160°F Normally Open Thermal Switch, 10A

SUPPLIMENTAL SPECIFICATIONS:

Frequency: 10 to 15 MHz
Power: 125W
Gain: 52 to 56 dB

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MODEL CONFIGURATIONS

MODEL NUMBER	HEATSINK	HEATSINK SPECS	WEIGHT	SIZE (WxHxD)
KMA2040M12	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

