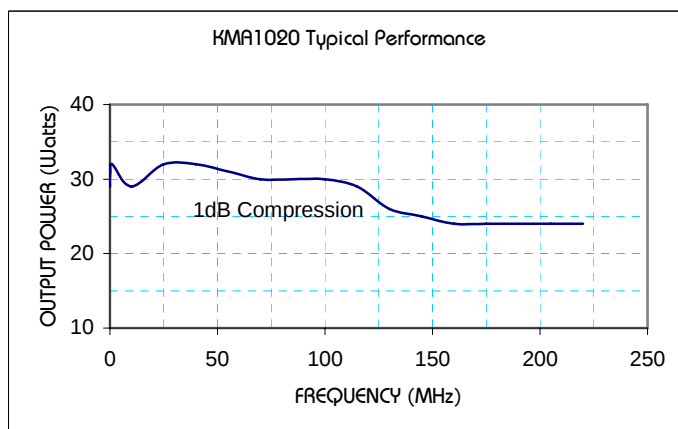


MODEL KMA1020
25 WATTS CW
10 kHz - 230 MHz

The Model KMA1020 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	25 Watts
INPUT FOR RATED OUTPUT	1.0 mW maximum
POWER OUTPUT @ 1db COMPRESSION	23 Watts minimum
CLASS OF OPERATION	Class AB
FLATNESS	± 1.5 dB maximum
FREQUENCY RESPONSE	10 kHz - 230 MHz
GAIN	43 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	-18 dBc maximum
PROTECTION	Temperature Switch, 160 °F
PRIMARY POWER	30 V _{dc} @ 6.5 A (Solder terminals)
RF CONNECTORS	SMA female
COOLING	Maximum allowable enclosure temperature 60 °C



MODEL CONFIGURATIONS

MODEL NUMBER	HEATSINK	HEATSINK SPECS	WEIGHT	SIZE (WxHxD)
KMA1020	NO	-	1.45 kg (3.2 lb.)	14.92 x 4.00 x 23.75 cm 5.6 x 1.58 x 9.35 in.
KMA1020M1	YES	1.55 kg, 50.3 sq.in/1", 1.4 °C/W/3"	2.0 kg (4.4 lb.)	14.83 x 8.44 x 25.4 cm 5.84 x 3.32 x 10.0 in

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