



MODEL KMA2040M22
250 WATTS PEAK / 200 WATTS CW
2 - 30 MHz

The Model KMA2040M22 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. The unit has an attached heatsink.

SPECIFICATIONS

- FREQUENCY RESPONSE 2-30MHz
- RATED POWER OUTPUT 250W PEAK / 200W CW
- GAIN-FLATNESS WINDOW 45dB - 48dB
- IMD @30.5 VDC (IN 2-20 MHz Range)..... < - 32dBc
- HARMONICS 2ND < - 27dBc 3RD < - 12dBc
- BROADBAND NOISE < -110dBm/Hz
- DC FEED 24V – 30.5V [Current 15A max]
- ON/OFF TIME < 500µsec
- OVER-TEMPERATURE SHUTDOWN..... + 80°C ± 3°C
- ENCLOSURE TEMPERATURE [For Best MTBF]..... < +60°C
- GAIN CONTROL RANGE (12V TO 1V) > 10dB
- PHASE DIFFERENCE BETWEEN UNITS @ 30MHz..... < 10 Degree
- RF CONNECTORS N female

* See Manual and Supplemental for Interface Function/Pinout.

MODEL NUMBER	HEATSINK	WEIGHT	SIZE (HxWxD)
KMA2040M22	Yes	1.7 kg (3.75 lb.)	2.9 x 4.6 x 10.5 inches

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