MODEL KMW2200
125 WATTS CW
6 MHz - 600 MHz

The Model KMW2200 is an RF power amplifier module for OEM applications or integration into a user system. The module comprises a printed wiring assembly mounted on a heatsink with side panels, top cover and fans. Feed-through capacitive terminals provide 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 ..... 125 Watts

INPUT FOR RATED OUTPUT ..... 0 dBm / 1 mW

CLASS OF OPERATION..... Class AB

FLATNESS ..... ± 2.5 dB maximum

FREQUENCY RESPONSE..... 6 MHz - 600 MHz

GAIN ..... 51 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 ..... 10 dB typical

HARMONIC DISTORTION ..... – 13 dBc maximum

PRIMARY POWER ..... 28 V_{dc} @ 17 A (Solder terminals)

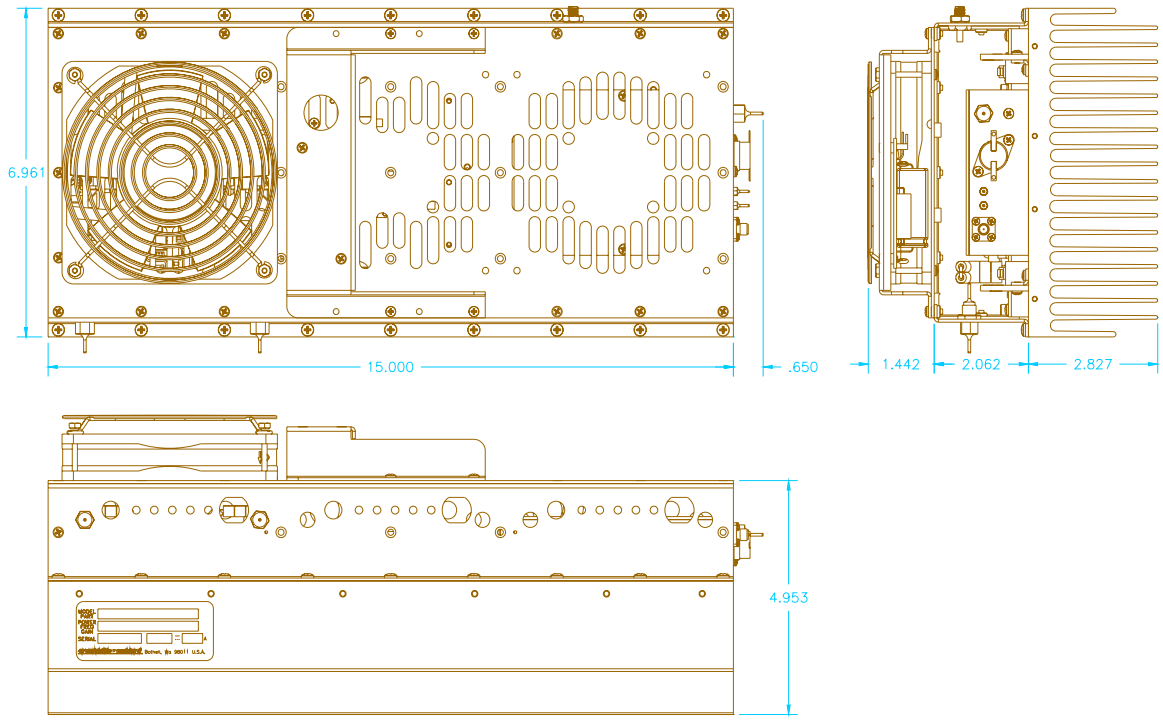
RF CONNECTORS ..... SMA female

Size (L x W x H) including top cover fan ..... 15.5 X 7 X 4 inches

COOLING..... Maximum allowable enclosure temperature 60 °C

CONNECTOR PIN CONFIGURATION

PIN	DESCRIPTION
1	Power Supply positive (+) 28Vdc @ 17 A
4	Over Temp Sense +28V present in normal operation. Open circuit on Over Temp.
5	Driver Bias Disable. Grounding this connection inhibits driver amplifier.
7	Power Supply negative (-) and ground.



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