

**MODEL KMW2000**  
**100 WATTS CW**  
**20 MHz - 1000 MHz**

The Model KMW2000 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**

POWER OUTPUT @ 1db COMPRESSION .....	100 Watts minimum
INPUT FOR RATED OUTPUT .....	1.0 mW maximum
FREQUENCY RESPONSE .....	20 MHz - 1000 MHz
CLASS OF OPERATION .....	Class AB
GAIN .....	50 dB minimum
FLATNESS .....	± 2.5 dB typical
HARMONICS .....	-30 dBc (2-), -35dBc (3-) typical
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
BLANKING .....	High speed TTL
NOISE FIGURE .....	6 dB typical
PRIMARY POWER .....	24 - 28 V @ 15 A (Solder terminals)
RF CONNECTORS .....	SMA female (input); N-Type (output)
SIZE (L x W x H) .....	10.5 x 5.5 x 2 inches
OPERATING TEMPERATURE .....	0° C to 65° C
WEIGHT .....	3.5 lbs
TEMPERATURE SHUTDOWN .....	+85° C @ baseplate

**PRELIMINARY**

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