

MODEL KMW1090
30 WATTS CW
20 MHz - 1000 MHz

The Model KMW1090 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

CLASS OF OPERATION.....	Class A
POWER OUTPUT	30 Watts
INPUT FOR RATED OUTPUT	1.0 mW maximum
POWER OUTPUT @ 1db COMPRESSION	25 Watts typical
FLATNESS	± 2.5 dB maximum
FREQUENCY RESPONSE.....	20 MHz - 1000 MHz
GAIN	46 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	- 40dBc typical
PRIMARY POWER	28 V _{dc} @ 5.6A at 25 Watts
RF CONNECTORS	SMA female
COOLING.....	Maximum allowable enclosure temperature 60 °C

ALTERNATE OFFER

CLASS OF OPERATION.....	Class AB
POWER OUTPUT	30 Watts
POWER OUTPUT @ 1dB compression	20 Watts typical
HARMONIC DISTORTION	-30dBc typical
PRIMARY POWER	28 V _{dc} @ 4A at 20 Watts

CUSTOM SIZE CONFIGURATIONS AVAILABLE

