

**MODEL KMW1005**  
**5 WATTS CW**  
**0.5 MHz - 1000 MHz**

The Model KMW1005 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 .....	5 Watts
INPUT FOR RATED OUTPUT .....	1 mW typical
CLASS OF OPERATION.....	Class AB
FLATNESS .....	± 2.2 dB maximum
FREQUENCY RESPONSE.....	0.5 MHz - 1000 MHz
GAIN .....	38 dB minimum
INPUT IMPEDANCE.....	50 Ohm nominal, VSWR 2:1 maximum
OUTPUT IMPEDANCE .....	50 Ohm nominal
MISMATCH TOLERANCE .....	4:1 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 .....	- 13 dBc maximum
PRIMARY POWER .....	28 V <sub>dc</sub> @ 2.6 A (Solder terminals)
RF CONNECTORS .....	Type 'N' female
SIZE.....	9.5 x 4.5 x 1.5 inches
COOLING.....	Maximum allowable enclosure temperature 60 °C