

MODEL KMW2051
200 WATTS CW/PULSE
200 MHz - 400 MHz

The Model KMW2051 is an RF power amplifier module supplying 200 Watts continuous output power for OEM applications or integration into a user system. The module comprises a printed wiring assembly mounted directly on a heatsink with sheetmetal surround and top cover. Feed-through capacitive terminals are provided 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

FREQUENCY RANGE	200 MHz - 400 MHz
POWER OUTPUT	200 Watts minimum
INPUT FOR RATED OUTPUT	-3 dBm maximum
GAIN VARIATION VS FREQUENCY	±1.5 dB maximum at Half Power
GAIN	≥ 53dB
HARMONIC DISTORTION	-35 dBc average (- 19 dBc worst case)
SPURIOUS	≤ -90dBc
NOISE FIGURE	10dB average
INPUT VSWR	Better than 1.5:1
MISMATCH TOLERANCE	2:1 maximum
OPERATING TEMPERATURE	-10 TO +50° C optimal. Baseplate temperature shutdown at 80° C
STORAGE TEMPERATURE	-30 to +80°C (Baseplate Temperature)
PRIMARY POWER	28Vdc; 19A average; 22A maximum
RF CONNECTORS	SMA female
ENCLOSURE SIZE (W x L x H)	9.2 X 7.2 X 3.8 in; 234 x 183 x 97 mm, including heatsink
COOLING.....	Customer to supply proper cooling to maintain enclosure temp of 50°C

DOC # 7-98-901-001 REV -
