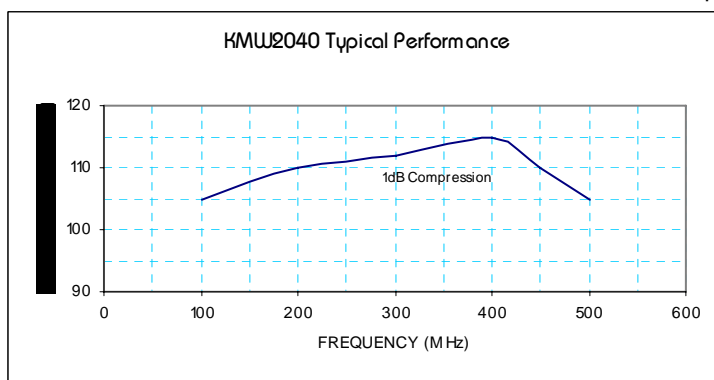


MODEL KMW2040
100 WATTS CW
100 MHz - 500 MHz

The Model KMW2040 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	100 Watts
INPUT FOR RATED OUTPUT	1.0 mW maximum
POWER OUTPUT @ 1db COMPRESSION	100 Watts minimum
CLASS OF OPERATION.....	Class AB
FLATNESS	± 2.0 dB maximum
FREQUENCY RESPONSE.....	100 MHz - 500 MHz
GAIN	50 dB minimum
INPUT IMPEDANCE.....	50 Ohm nominal
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	10 dB typical
HARMONIC DISTORTION	- 16 dBc maximum
PRIMARY POWER	28 V @ 15 A (Solder terminals)
RF CONNECTORS	SMA female
COOLING.....	Maximum allowable enclosure temperature 60 °C



DOC # 7-98-468-001
 REV C

MODEL CONFIGURATIONS

MODEL NUMBER	HEATSINK	HEATSINK SPECS	WEIGHT	SIZE (WxHxD)
KMW2040	NO	-	1.36 kg (3.0 lb.)	11.43 x 3.94 x 16.26 cm 4.5 x 1.55 x 6.4 in.
KMW2040M1	YES	1.55 kg, 50.3 sq.in/1", 1.4 °C/W/3"	1.5 kg (3.3 lb.)	13.44 x 8.38 x 25.4 cm 6.08 x 3.3 x 10.0 in

