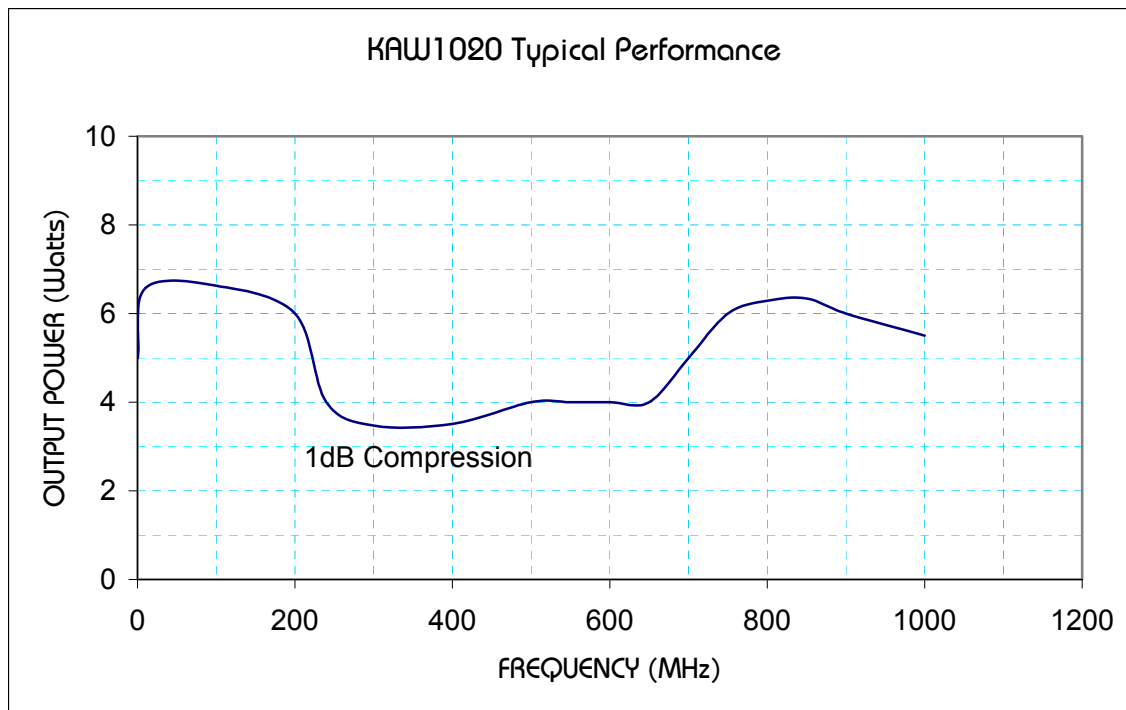


MODEL KAW1020
5 WATTS CW
500 kHz - 1000 MHz

The Model KAW1020 is a general-purpose, wideband RF power amplifier for signals in the 500 kHz to 1000 MHz frequency range. No tuning, band switching, or adjustments of any kind are required to operate this unit. Power output is in excess of 5 Watts into a 50-Ohm load. Power gain is a minimum 36 dB making the amplifier compatible with drive power levels provided by most commercially available signal generators.

Construction of this model is in a 5¼-inch high cabinet, 14½ inches deep, exclusive of handles, and 11½ inches wide. It is intended for bench-top use, but may be supplied with 19-in rack mounting kit installed. Input and output connectors are N-type female and are located on the front. Forced-air cooling is by a highly reliable, tube-axial fan mounted at the rear.

Protection against excessive heat rise of the amplifier module heatsink is by a temperature-sensing switch that interrupts the gate bias supply to the amplifier devices when activated. Operation resumes automatically when temperature has returned to normal operating temperature.



SPECIFICATIONS
Model KAW1020

RATED POWER OUTPUT	5 Watts
INPUT FOR RATED OUTPUT	5.0 mW maximum
POWER OUTPUT @ 1dB COMPRESSION	3.5 Watts minimum
FLATNESS	± 2.0 dB maximum unlevelled
FREQUENCY RESPONSE	500 kHz - 1000 MHz instantaneously
GAIN	36 dB minimum
INPUT IMPEDANCE	50 Ohm nominal
OUTPUT IMPEDANCE	50 Ohm nominal
MISMATCH TOLERANCE	3:1
PROTECTION	Over-temperature
MODULATION CAPABILITY	Will faithfully reproduce AM, FM, or pulse modulation appearing on the input signal
HARMONIC DISTORTION	-14 dBc maximum
SPURIOUS OUTPUTS	-70 dBc maximum
CONTROLS	ON/OFF
INDICATORS	SYSTEM ON, TEMP FAULT
RF CONNECTORS	Type N female
OPERATING TEMPERATURE	-10 to 40 °C
COOLING	Forced air (self contained fan)
PRIMARY POWER	110/220 V _~ , 47 - 63Hz, selectable, 250 VA maximum
CONSTRUCTION	2- piece, formed aluminum tabletop enclosure.
COLOR	Dominant color - light gray, Graphics background color -- medium bluish-gray Graphics and text color - dark blue
SIZE (W x H x D)	29.2 x 13.3 x 40.7 cm, 11½ x 5¼ x 16 in.
WEIGHT	7.7 kg, 17 lb.

MODEL CONFIGURATIONS

MODEL NUMBER	RACK MOUNTING KIT INCLUDED
KAW1020	No
KAW1020M1	Yes