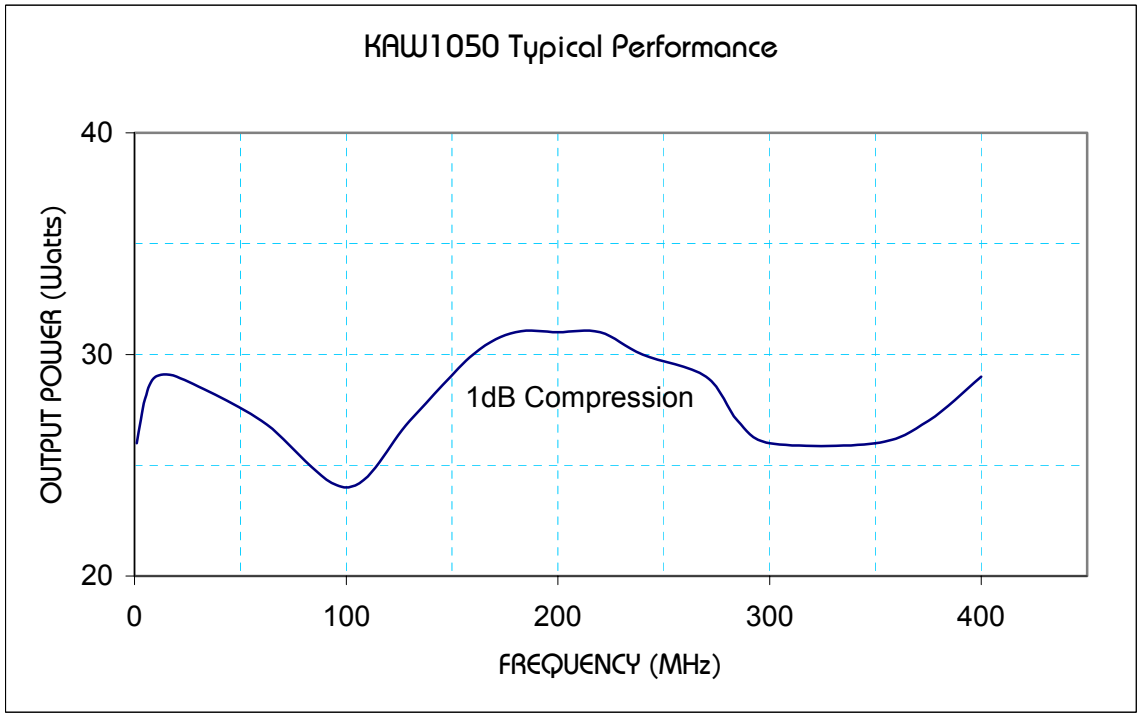
MODEL KAW1050
25 WATTS CW
1 MHz - 400 MHz

The Model KAW1050 is a general-purpose, wideband RF power amplifier for signals in the 1 MHz to 400 MHz frequency range. No tuning, band switching, or adjustments of any kind are required to operate this unit. Power output is in excess of 25 Watts into a 50-Ohm load. Power gain is a minimum 45 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.



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SPECIFICATIONS
Model KAW1050

RATED POWER OUTPUT	25 Watts
INPUT FOR RATED OUTPUT	2.0 mW maximum
POWER OUTPUT @ 1dB COMPRESSION	25 Watts minimum
FLATNESS	± 2.0 dB maximum unleveled
FREQUENCY RESPONSE	1 MHz - 400 MHz instantaneously
GAIN	45 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	–18 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 $V_{\sim}$, 47 - 63Hz, selectable, 350 VA maximum
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
KAW1050	No
KAW1050M1	Yes