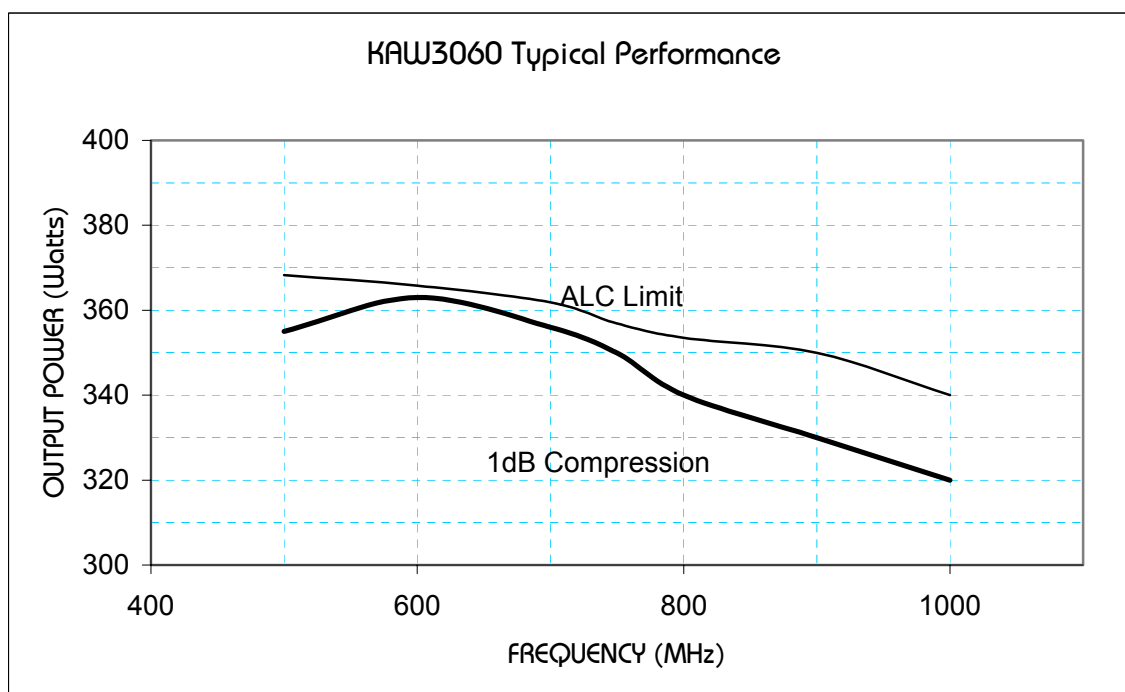


MODEL KAW3060
300 WATTS CW
400 MHz - 1000 MHz

The Model KAW3060 is a Class AB wideband RF power amplifier system delivering in excess of 300 Watts CW power into a 50-Ohm load over the frequency range of 400 MHz to 1000 MHz. Power gain is a minimum of 54 dB. GPIB control requires the optional IEEE488.2/RS232 Interface Controller Module.

The system features forward and reflected power indication on a front panel-mounted, analog meter; Automatic Level Control (ALC); RF gain control; overdrive protection; full VSWR protection; input blanking, and over-temperature protection. On the basic model these features, plus remote power on/off control, are accessible for hard-wire remote operation through a 25-pin, D-subminiature connector. For a detailed description of these features refer to "SPECIAL FEATURES – KAA & KAW-SERIES SINGLE BAND RF POWER AMPLIFIERS".

The system comprises a Power Controller/Power Amplifier and a Power Supply Unit. These are intended to be mounted into a standard, 19-inch equipment rack and require 15¾ inches of panel space. The units are designed to be installed on optional telescoping slides. The system operates from 187-265 V_{AC} 47-63 Hz line. The system may be placed in 'stand-by' mode with the BLANKING switch, which greatly reduces energy consumption and heat generation.



SPECIFICATIONS MODEL KAW3060

RATED POWER OUTPUT	300 Watts
INPUT FOR RATED OUTPUT	1.0 mW maximum
POWER OUTPUT @ 1dB COMPRESSION.....	320 Watts minimum
FLATNESS	± 1.5 dB maximum unleveled, ± 0.5 dB leveled
FREQUENCY RESPONSE.....	400 MHz - 1000 MHz instantaneously
GAIN	54 dB minimum
GAIN ADJUSTMENT RANGE.....	30 dB typical
INPUT IMPEDANCE.....	50 Ohm nominal
OUTPUT IMPEDANCE	50 Ohm nominal
MISMATCH TOLERANCE	infinite
PROTECTION	VSWR, over-temperature, overdrive
MODULATION CAPABILITY.....	Will faithfully reproduce AM, FM, or pulse modulation appearing on the input signal
HARMONIC DISTORTION	-25 dBc maximum
SPURIOUS OUTPUTS.....	-70 dBc maximum
FRONT PANEL METER	0 - 300 Watt forward power, top scale
CONTROLS.....	% limit SET point reflected power, bottom scale [AC LINE]ON/OFF, [RF CTRL]ON/OFF (blanking)
INDICATORS	[METER]FWD/REFL [ALC]FAST/SLOW (Autom. Level Control) [VSWR]RESET MAN/AUTO, ALC, RF GAIN
REMOTE INTERFACE (optional).....	MODE, VSWR, TEMP, REMOTE ACTIVE IEEE488.2 & RS-232
RF CONNECTORS	Type N female
REMOTE CONTROL.....	IEEE488.2: 24-pin female, RS-232: 25- pin D-Subminiature female
REMOTE INTERLOCK	BNC female
OPERATING TEMPERATURE	-10 to 40 °C
COOLING.....	Forced air (self contained fans)
PRIMARY POWER	180 - 265 V _~ , 47 - 63Hz, single-phase, 3.0 kVA maximum
SIZE (W x H x D) Total with units stacked.....	48.3 x 40 x 70 cm, 19 x 15¾ x 27½ in.
WEIGHT (Total)	56.9 kg, 125 lb.

MODEL CONFIGURATIONS

MODEL NUMBER	OPTION
KAW3060	Standard
KAW3060M1	IEEE488.2/RS232