



modular rf

MODEL KAW2300
100 Watts PEP
100 MHz - 1000 MHz

The Model KAW2300 is a Class AB wideband RF power amplifier system delivering up to 100 Watts PEP power into a 50-Ohm load over the frequency range of 100 MHz to 1000 MHz. The system features forward and reflected power indication on a front panel-mounted display; Automatic Level Control (ALC); overdrive protection; full VSWR protection; input blanking, and over-temperature protection. This unit mounts into a standard, 19-inch equipment rack.



GENERAL SPECIFICATIONS

Output Power (P1dB) Unleveled	100 Watts PEP
Operation Frequency	100-1000 MHz
ALC Flatness Levelled	±1.5 dB max
Operation Mode	AB Linear
Impedance	50 Ohm
Input Power Level	-5 dBm nominal for 1 dB c.p.
Input Power Level Protection	10 dBm (max) at all frequencies
Gain	55 dB (min)
Front Panel Gain control	20 dB (min)
Output Test Port	-60 dBc nominal, SMA rear panel

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Noise Figure	20 dB (max) 8 dB typical
Harmonics	-13 dBc <150 MHz typical -20 dBc >150 MHz typical
Spurious	-60 dBc (min)
Operating Power	Power Supply Unit AC Power 90-240V 50 Hz
Remote Control Interface	TCP/IP over RJ-45 Ethernet
Front Panel Display	Forward power, Reflected power, Thermal fault
RF Connectors	N-Type Rear panel
ALTITUDE	10,000 Feet
Size (HxWxD)	5.25 x 19 x 24 inches
Weight	45 pounds
Cooling	Forced air front to back (self-contained fans)
Warranty	Three year limited
Operating temperature	-10 to 40 °C



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