



modular rf

MODEL KAS2010M12
250 WATTS CW
1750 MHz – 1850 MHz

The Model KAS2010M12 is a Class AB solid state RF power amplifier delivering in excess of 250 Watts CW power into a 50-Ohm load over the frequency range of 1750 MHz to 1850 MHz. Power gain is a minimum of 57 dB. The system features selectable forward or reflected power indication on a front panel-mounted, analog meter, overdrive protection; full VSWR protection, and over-temperature protection.

The Model KAS2010M12 is a 19-inch rack-mount unit, 7 inches high and 20 inches deep. Forced-air cooling is by a highly reliable, tube-axial fan mounted on the rear panel.

GENERAL SPECIFICATIONS

Rated Output Power	54dBm minimum
Input for Rated Output	-3dBm or less
Operational Frequency Range	1750 MHz - 1850 MHz
Gain	57 dB minimum
Flatness	± 2 dB maximum
Input Impedance	50 Ohm nominal
Output Impedance	50 Ohm nominal
Output VSWR (antenna VSWR)	< 2:1
Mismatch Tolerance	infinite
Protection	VSWR, over-temperature, overdrive
Modulation Capability	Will faithfully reproduce AM, FM, PSK and many digital modulation platforms
Spurious Outputs	-70 dBc maximum
Front Panel Meter	0 - 250 Watt forward power, top scale
Indicators	Temperature Alarm, VSWR Alarm, Over Power alarm, Output power.
Remote Interface	RS232 for control, status and power readings
RF Connectors	Type N female (Rear Panel Location)
Operating Temperature	-10 to 55 °C (ambient)
Cooling	Forced air (self contained fans – front to back)
Primary Power	95 - 265 V _{AC} , 47 - 63Hz, (H/N/G) single-phase, 800VA maximum
Size (W x H x D)	48.3 x 17.8 x 50.8 cm, 19 x 7 x 20 in maximum
Weight	19.1 kg, 42 lb. (tentative)

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