
1040L Specifications

Class of Operation	Class B
Frequency Range	10 to 500kHz
Gain	55dB nominal
Gain Flatness	±1dB
Drive Source Requirement	Any signal generator, function generator or oscillator capable of up to 0.7Vpp output into 50Ω.
Ruggedness	Any load VSWR, any phase, from open to short circuit, without damage
Rated Power Output	400W
Input Impedance	50Ω
Matched Output Load Impedance	50Ω; the amplifier will supply full power to any load impedance between 40 and 60Ω, resistive.
Thermal Protection	Automatic cutout is provided should the power transistors overheat due to load mismatch or cooling system failure. Automatic reset upon cooling.
Stability	Unconditional
Front Panel Meter	True average reading voltmeter indicates 0-500W into 50Ω. Front panel switch permits measurement of forward power (power leaving the amplifier) and load power (power absorbed by the load).
Operating Temperature	0° to 45°C ambient
Primary Power Required	115V/230VAC, ±6%, 15A/8A, 50-60Hz
Protection	INPUT: Unit will withstand an input signal of +16dBm (1.414 Vrms) max.

Mismatch Protection	The unit will tolerate up to 70W of power reflected from any load impedance, subject to operation of thermal protection. Instantaneous cut-out is provided should the load mismatch exceed allowable limits.
Front Panel Controls	AC Power On/Off, Forward/Load Meter Select, Overload Reset
Front Panel Indicators	AC On, Power (Forward/Load), Overload
Front Panel Connectors	RF Input/Output (Type BNC)
Rear Panel Connector	AC rear panel linecord
Size*: (H x W x D)	8.75 x 15 x 19.6" (222 x 381 x 498mm) <i>*excluding handles, connectors and feet</i>
Weight:	56 lbs. (25.4 kg.)
Rack Mounting	19 inch rack mount adaptors are provided.