

IPR2™ 7500 Specification Sheet

Rated Watts 2ch x 2 ohms	4750 watts 20ms repetitive burst / 3750 watts 1% THD both channels driven @ 1kHz.
Rated Watts 2ch x 4 ohms	2800 watts 20ms repetitive burst / 2450 watts 1% THD / 2020 watts 0.15% THD, both channels driven @ 1kHz.
Rated Watts 2ch x 8 ohms	1550 watts 20ms repetitive burst / 1425 watts 1% THD / 1200 watts 0.15% THD, both channels driven @ 1kHz.
Minimum Impedance	2 ohms
Maximum RMS Voltage Swing	124 volts
Frequency Response	20Hz - 25kHz; +0dB, -3dB
20Hz - 20kHz 2ch x 2 ohms	<0.5% @ 3280 watts 20Hz to 4kHz, decreasing to 3000 watts @ 20kHz, both channels driven.
20Hz - 20kHz 2ch x 4 ohms	<0.15% @ 2000 watts 20Hz to 20kHz, both channels driven.
20Hz - 20kHz 2ch x 8 ohms	<0.15% @ 1200 watts 20Hz to 20kHz, both channels driven.
Input CMRR	> -75dB @ 1 kHz.
Voltage Gain	x 40 (+32dB)
Crossover	100Hz switchable 2nd order high pass and 3rd low pass per channel.
Crosstalk	> -85dB @ 1kHz @ 1000 watts power @ 8 ohms.
Hum and Noise	> -106dB, "A" weighted referenced to rated power @ 4 ohms.
Slew Rate	> 12V/μs
Damping Factor (8 ohms)	> 200:1 @ 20Hz - 1kHz @ 8 ohms
Input Sensitivity	2.25 volts +/- 3% for 1kHz 4 ohm rated power, 2.195 volts +/- 3% for 1kHz 2 ohm rated power
Input Impedance	20 kilohms, balanced and 10 kilohms unbalanced.
Current Draw @ 1/8 in VA (watts)	2210 (1440) @ 2 ohms, 1550 (950) @ 4 ohms, 982 (560) @ 8 ohms
Current Draw @ 1/3 in VA (watts)	4260 (3150) @ 2 ohm, 3120 (2160) @ 4 ohms, 1890 (1200) @ 8 ohms
Idle Consumption	250VA, 120 watts.
Cooling	3 temperature dependent variable speed fans.
Controls	2 front panel attenuators, crossover select switch for HPF, Normal and LPF
Indicator LEDs	Five LED indicators per channel: Active, Signal, DDT, Temperature and DC
Protection	Thermal, DC, subsonic, incorrect loads, under and over voltage
Connectors	Inputs: Dual combination 1/4" XLR, Outputs: Dual 1/4" thru, one 2-pin & one 4 pin twist-lock connector
Construction	0.062" thick aluminum
Dimensions	3.5"x19"x 17" behind front panel + 0.6" for handle
Net Weight	6.61kg (14.6lbs.*)
Gross Weight	8.34kg (18.4lbs.)

Rated power readings made with BW: 20 Hz to 22 kHz. All power measurements made @ 120 VAC or 240VAC.

2 ohm steady state sine wave power is time limited by circuit breaker.

Bridge operation is not possible.

*Net Weight does not include power cord.