

IPR-7500 Specification Sheet

Rated Power (2 x 2 ohms)	- 3,750 watts per channel @ 1 kHz 1% T.H.D. both channels driven.
Rated Power (2 x 4 ohms)	- 2,020 watts per channel @ 1 kHz at <0.1% T.H.D. both channels driven.
Rated Power (2 x 8 ohms)	- 1,250 watts per channel @ 1 kHz at <0.1% T.H.D. both channels driven.
Rated Power (1 x 2 ohms)	- 3,850 watts @ 1 kHz at <0.1% T.H.D.
Rated Power (1 x 4 ohms)	- 2,400 watts @ 1 kHz at <0.1% T.H.D.
Rated Power (1 x 8 ohms)	- 1,330 watts @ 1 kHz at <0.1% T.H.D.
Minimum Load Impedance	- 2 ohms
Maximum RMS Voltage Swing	- 124 volts
Frequency Response	- 20 Hz - 35 kHz, 0.0 dB, -3.0 dB at 1 watt.
T.H.D. (2 x 2 ohms)	- <0.5% @ 3,280 watts per channel from 20 Hz to 4 kHz, decreasing to 3,000 watts at 20 kHz.
T.H.D. (2 x 4 ohms)	- <0.1% @ 1,800 watts per channel from 20 Hz to 20 kHz.
T.H.D. (2 x 8 ohms)	- <0.1% @ 1,200 watts per channel from 20 Hz to 10 kHz.
Input CMRR	- > - 75 dB @ 1 kHz
Voltage Gain	- x 40 (+32 dB)
Crossover	- 100 Hz switchable 2 nd order High pass and 3 rd order Low Pass per channel.
Crosstalk	- > -85 dB @ 1 kHz at 1000 watts power @ 8 ohms.
Hum and Noise	- > -106 dB, "A" weighted referenced to rated power @ 4 ohms.
Slew Rate	- > 12V/ μ s
Damping Factor (8 ohms)	- > 200:1 @ 20 Hz - 1 kHz at 8 ohms
Phase Response	- +15 to -85 degrees from 20Hz to 20kHz
Input Sensitivity	- 2.25 volts +/- 3% for 1 kHz 4 ohm rated power. 2.195 volts +/- 3% for 1 kHz. 2 ohm rated power
Input Impedance	- 20k ohms, balanced and 10k ohms unbalanced.
Current Draw @ 1/8 in watts	- 1,335 @ 2 ohms, 755 @ 4 ohms, 505 @ 8 ohms
Current Draw @ 1/3 in watts	- 3,150 @ 2 ohms, 1,645 @ 4 ohms, 910 @ 8 ohms
Current Draw @ 1/8 in VA	- 2,000 @ 2 ohms, 1,215 @ 4 ohms, 900 @ 8 ohms
Current Draw @ 1/3 in VA	- 4,260 @ 2 ohms, 2,420 @ 4 ohms, 1,440 @ 8 ohms
Current Draw @ idle	- 138 watts, 290VA
Cooling	- 3 temperature dependent variable speed fans
Controls	- 2 front panel attenuators, crossover select switch for H.P.F, Normal and L.P.F.
Indicator LEDs	- 2 DDT (clip limiting), 2 Signal presence, 2 Active status, 2 Temp and 2 DC protect
Protection	- Thermal, DC, subsonic, incorrect loads, under and over voltage
Connectors	- Inputs: Dual Combination 1/4" XLR, Outputs: Dual 1/4" signal patch, Dual 2-pin twist-lock connectors
Construction	- 0.062" thick aluminum
Dimensions	- 3.5"x19"x 17" behind front panel + 0.6" for handle
Net Weight	- 6.0 kg (13.2 lbs.*)
Gross Weight	- 7.15 kg (15.7 lbs.)

Rated power readings made with BW: <10 Hz to 22 kHz. All power measurements made at 120 VAC and 240VAC.

2 ohm power is time limited by circuit breaker.

*Net Weight does not include power cord.

