

IPR2™ 5000 DSP Specification Sheet

Rated Watts 2ch x 2 ohms	3230 watts 20ms repetitive burst / 2530 watts 1% THD both channels driven @ 1kHz.
Rated Watts 2ch x 4 ohms	1985 watts 20ms repetitive burst / 1700 watts 1% THD / 1470 watts 0.15% THD, both channels driven @ 1kHz.
Rated Watts 2ch x 8 ohms	1175 watts 20ms repetitive burst / 1025 watts 1% THD / 880 watts 0.15% THD, both channels driven @ 1kHz.
Minimum Load Impedance	2 ohms
Maximum RMS Voltage Swing	105 volts
Frequency Response	20Hz - 22kHz; +/- 0.5dB at 1 watt.
20Hz - 20kHz 2ch x 2 ohms	<0.5% @ 2250 watts 20Hz to 4kHz, decreasing to 1640 watts @ 20kHz, both channels driven.
20Hz - 20kHz 2ch x 4 ohms	<0.15% @ 1400 watts 20Hz to 10kHz, decreasing to 1350 watts @ 20kHz, both channels driven.
20Hz - 20kHz 2ch x 8 ohms	<0.15% @ 860 watts 20Hz to 4kHz, increasing to 1000 watts @ 20kHz, both channels driven.
Input CMRR	> - 75dB @ 1 kHz.
Voltage Gain	x 70 (+37dB)
Crossover	Adjustable High Pass and Low Pass filter per channel. Filter Types: 12dB/oct 2nd order, 18dB/oct 3rd order, 24dB/oct 4th order Butterworth and 24dB/oct 4th order Linkwitz –Riley.
Crosstalk	-60dB @ 1kHz @ 700 watts power @ 8 ohms.
Hum and Noise	> -96dB, “A” weighted referenced to rated power @ 4 ohms.
Slew Rate	> 12V/μs
Damping Factor (8 ohms)	> 210:1 @ 20Hz - 1kHz @ 8 ohms
Input Sensitivity	1.094 volts +/- 3% for 1 kHz 4 ohm rated power, 1.025 volts +/- 3% for 1 kHz 2 ohm rated power.
Input Impedance	12 kilohms, balanced and 6 kilohms unbalanced.
Current Draw @ 1/8 in VA (watts)	1435 (890) @ 2 ohms, 920 (525) @ 4 ohms, 625 (335) @ 8 ohms
Current Draw @ 1/3 in VA (watts)	3050 (2155) @ 2 ohms, 1880 (1200) @ 4 ohms, 1200 (715) @ 8 ohms
Idle Consumption	195VA, 90 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 male XLR input 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	6.2 kg (13.6 lbs.*)
Gross Weight	7.9 kg (17.4 lbs.)

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.