



RB 1072

Class D Power Amplifier



Description

Rotel's RB-1072, a 100 watt per channel stereo power amplifier is based upon the much-heralded Class D switching platforms of the RMB-1077, RB-1092 and RB-1091 amplifiers. Thanks to its innovative design, it can be placed in space-restricted installations without fear of performance degradation. The RB-1072 needs little ventilation and runs relatively cool even under demanding operating conditions, compared to conventional amplifier designs.

Although compact in size at only 2-3/8" high, there is nothing small about this amplifier. It is powerful, refined and characterized with a sense of speed, depth and transparency that set it apart from the competition. Rotel engineers have

methodically applied our Balanced Design Concept (BDC) to render a very impressive design.

The RB-1072 features innovative engineering that has transformed the sound of early Class D amplifiers from less-than-stellar products to real audiophile components. Two of these design accomplishments are *MECC (Multivariable Enhanced Cascade Control) and *COM (Controlled Oscillation Modulation) which substantially reduce pulse amplitude and pulse timing errors. Together, these technological solutions, along with Rotel's BDC, have helped changed the future of power amplification and allowed Class D switching amplifiers to realize their full potential of high power, low heat, reduced chassis size, and first class sound.

Specifications

Power Configurations	2 x 100 watts	Input Sensitivity / Impedance	1.25 V / 9.9 k ohms
Watts / Channel	100 watts, both channels driven, with 20KHz filter, 8 ohm load, 20-20 kHz, 0.02% THD	Frequency Response	10 - 40 kHz (+ / - 3db)
Total Harmonic Distortion (20 Hz - 20 kHz, 8 ohms)		Signal to Noise Ratio (IHF A)	109 dB
Continuous Rated Power	< 0.2%	Power Requirements	
One-half Rated Power	< 0.2%	USA	120 volts, 60 Hz
One Watt Per Channel	< 0.2%	Europe	230 volts, 50 Hz
Power Output (4 ohms, 0.09% THD)	190 watts	Power Consumption	130 watts 21 watts - idling 3 watts - standby
Output Peak Current	11A	Dimensions (W x H x D)	432 x 72 x 350 mm 17 1/8 x 2 7/8 x 13 3/4 in
Intermodulation Distortion 60 Hz: 7 kHz, 4:1	< 0.2%	Panel Height (for rack mounting)	60 mm, 2 3/8 in
Damping Factor (8 ohms)	200	Weight (net)	4.6 kg, 2.1 lb.
Amp Gain	27.2 dB		

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