



RMB 1077

Class D Seven Channel Amplifier



Description

Digital amplifiers are not new. But, to date, many digital amplifiers have been relegated to low performance electronics, or limited bandwidth products such as subwoofers. Now, with ICEpower® technology, Rotel's new RMB-1077, delivers full bandwidth, high performance sound with plenty of power output and very low heat and distortion.

The new digital technology is based on two principals named Controlled Oscillation Modulation (COM) and Multivariable Enhanced Cascade Control (MECC). Together, these two designs form the intelligent power processing (the brains) of the technology to ensure that the amplifier's power supply and output is rock solid even under complex speaker loads or power supply variations.

The result is a high power, high performance, multichannel power amplifier that occupies only 60mm of height; a minimal amount of space compared to regular amplifiers for heat dissipation. That's because the RMB-1077 digital amplifier is over 90% efficient and produces almost no heat.

The RMB-1077 offers up a lot of power in a small package. At 7 x 100 watts per channel into 8 ohms, it is a superb choice for all but the very largest home theater systems.

Specifications

Power Configurations:	7 x 100 Watts	Amp Gain	27.4dB
Watts/Channel	100 watts, all channels driven, with 20KHz filter, 8 ohm load, 20-20 kHz, 0.03% THD	Input Sens. / Impedance	1.2 V / 8.3 k ohms
Total Harmonic Distortion	(20Hz-20kHz, 8 ohms)	Frequency Response	10 - 80 KHz (±3dB)
		S/N Ratio (IHF A)	105 dB
		Power Requirements	USA: 120 Volts, 60 Hz Europe: 230 Volts, 50 Hz
Continuous Rate Power	< 0.03%	Power Consumption	400 Watts 70 Watts - Idling 3 Watts - Standby
One-Half Rated Power	< 0.03%	Dimensions (W x H x D)	432 x 72 x 415 mm 17 1/8 x 2 7/8 x 16 3/8 in
Onw Watt per Channel	< 0.03%	Front Panel Height	60 mm, 2 3/8 in
Power Output (4 Ohms, 0.09%THD)	200 Watts	Weight (net)	7.8 kg, 17.2 lbs.
Damping Factor (8 ohms)	400		

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