



**Evolution 402** Stereo Power Amplifier

### Wide Bandwidth, High Current

The voltage dividing design of Krell Active Cascode Topology confers numerous performance advantages. It exhibits wide bandwidth and can deliver very high current. Because the “work” is spread across multiple devices, the amplifier is more load tolerant. Open-loop output impedance is extremely low—about one hundred times lower than with most power amplifiers—ensuring exceptional speaker control. All of these performance gains are achieved while maintaining a high rail voltage, which provides a beneficial “flywheel” effect—a *de facto* regulation that enables the amplifier to better deal with sudden changes in power requirement, such as those caused by large signal transients.

### Active Cascode Current Mirror

Even the slightest signal degradation at the input stage can result in severe sonic consequences. Feedback at this stage can be particularly deleterious to sound quality and must be avoided. Krell Evolution Series amplifiers feature a sophisticated Active Cascode Current Mirror input stage topology. It delivers superb linearity and wide bandwidth, providing an exceptionally clean, accurate signal to subsequent stages and reducing the need for feedback.

### Class A/B Output Stage

The Evolution Series power amplifiers feature new, innovative Class A/B circuitry, which recognizes that the crossover notch occurs only within a very narrow time window in relation to the total amplifier output. A push-pull driver stage senses the load and provides the necessary drive during the brief moments of output stage Class B operation. Notch distortion is thereby eliminated while maintaining the efficiency advantages of Class A/B design.

