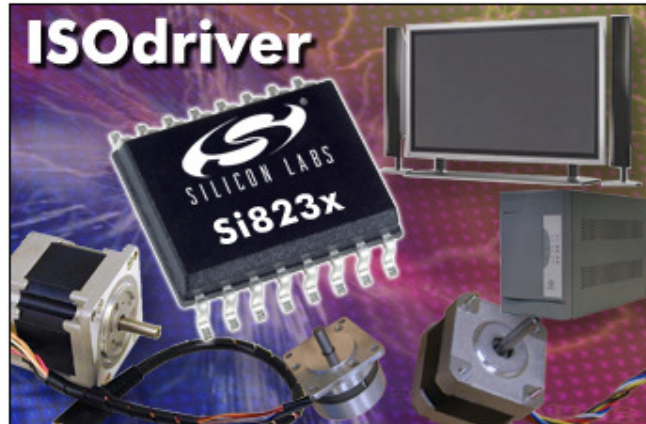




ISOdrivers

The Si823x isolated driver family combines two independent, isolated drivers into a single package. The Si8230/1/3/4 are high-side/low-side drivers, and the Si8232/5 are dual low-side drivers. Versions with peak output currents of 0.5 A (Si8230/1/2) and 4.0 A (Si8233/4/5) are available. All drivers operate with a maximum supply voltage of 24 V.

Based on Silicon Labs' proprietary silicon isolation technology, ISOdrivers offer ultra-fast 50 ns propagation delays for better timing margins, rock-solid operation over temperature and time, and unparalleled size and cost benefits. ISOdrivers are safety certified to 2.5 kVrms and withstand 600 VDC input-to-output, and ± 600 VDC between outputs. Driver outputs can be grounded to the same or separate grounds or connected to a positive or negative voltage. The TTL level compatible inputs are available in individual control input (Si8230/2/3/5) or PWM input (Si8231/4) configurations.



High integration, low propagation delay, small PCB footprint, flexibility, and cost-effectiveness make the Si823x family ideal for a wide range of isolated gate drive applications.

Si823x Block Diagram

