

2009 Discretes

Optoelectronics, Sensors, Discretes, MEMS Markets – Worldwide



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Abstract

The discretes product market constitutes the great majority share of semiconductors by volume, and it is widely distributed in terms of end-product consumption. This product market typically grows slower than the integrated circuit market, yet there are opportunities emerging in a variety of applications.

The discretes market constitutes 6 percent of the overall \$217 billion semiconductor industry. While one of the smaller categories in terms of revenue, unit shipments of these devices far outweigh other integrated circuit categories. Discretes are manufactured all over the world and are used in every electronics application design.

The largest product segment in discretes is power transistors with over 55 percent of worldwide discretes revenue coming from sales of MOSFETs, IGBT, and RF power transistors and modules. The next largest segment is rectifiers with 15 percent share of worldwide revenue. Diodes and small signal transistors both make up 12 percent of revenue while thyristors and other discretes combined constitute 6 percent.

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