

Miniature High-Speed Switching Diodes Offer PCB Size Reduction



Diodes Incorporated has introduced a family of high-speed switching diodes in a choice of small footprint, low-profile packages, enabling significant reductions in component count and PCB area, according to the company. Featuring breakdown voltage ratings of 75 V, 80 V and 85 V, the product line offers switching diode arrays in the miniature plastic SOT563, DFN1006-3 and DFN2020-6 packages. Suitable for mobile handsets, tablets and notebooks, where light weight, slim product design is essential, these single, dual and dual-dual (both series and common cathode) diode configurations will handle a variety of functions including AC signal rectification, data line protection, reverse battery protection and DC/DC conversion. The switching diodes' total capacitance performance, ranging from just 2 pF up to 4 pF, ensures that distortion or degradation of high bandwidth input signals is minimized, while a breakdown voltage of up to 85 V means that the diodes will handle the most severe switching circuit transient spikes.

Diodes Incorporated

805-446-4800, www.diodes.com [1]

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