



News Release

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CTLSH1-40M563

Space saving, low V_F Schottky rectifier with improved power dissipation



Hauppauge, NY USA – June 4, 2009 – Central Semiconductor Corp. announces the release of the **CTLSH1-40M563** 1A, 40V Schottky rectifier packaged in the TLM563 surface mount case. Designed to be a drop-in replacement for existing SOT-563 devices, this new device also provides outstanding low V_F characteristics, improved power dissipation, and a lower profile than the SOT-563 package.

CTLSH1-40M563 has a low forward voltage drop of only 290mV @ 10mA, and 450mV @ 500mA, and is ideal for portable battery powered applications. Longer on-state conditions often necessitate larger package types to handle higher power requirements. The CTLSH1-40M563's 500mW power dissipation rating is a 43% improvement over the 350mW devices in SOT-563.

In addition to superior electrical specifications, the CTLSH1-40M563 packaged in the TLM563 case has a maximum profile of 0.43mm which is 28% lower than in SOT-563, and effectively addresses height limitations of less than 0.6mm.

The CTLSH1-40M563 is available bulk packed or 3,000 pcs on 7" tape & reel. Pricing for the CTLSH1-40M563 starts at US\$0.12 each for 3,000 pcs on tape and reel. Sample devices are available upon request.

Central Semiconductor manufactures innovative discrete semiconductors and is always eager to explore design engineers' requests for special requirements. Specifications for this new device can be found in the New Products / Latest Updates section of Central's website at www.centralsemi.com/product/new.

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