

Low-VF Schottky Diode comes in TLM2D3D6 Package



Central Semiconductor announces

the **CTLSH01-30** and **CTLSH01-30L** Low V_F Schottky diodes in the space saving, low profile TLM2D3D6 surface mount package. These new devices have a peak reverse voltage rating of 30V and a maximum forward current rating of 100mA. The CTLSH01-30 has a low forward voltage drop (V_F) of 410mV at 10mA and an outstanding low reverse leakage current (I_R) of 30nA, while the CTLSH01-30L provides an even lower V_F of 300mV. Both of these devices are ideal for space constrained designs requiring superior energy efficiency.

The CTLSH01-30 and CTLSH01-30L serve a wide variety of battery powered portable products including mobile communications, digital cameras, laptops and other battery powered hand held products. Both diodes are used in power management applications including DC-DC conversion, voltage clamping, and circuit protection. The TLM2D3D6 package has a low profile of 0.32mm and utilizes 67% less board space compared to the SOD-882L.

Pricing for the CTLSH01-30 and the CTLSH01-30L starts at US\$0.12 each for 8,000 pieces on tape and reel. Sample devices are available upon request.

Central Semiconductor manufactures innovative discrete semiconductors to meet design engineers' ever changing challenges. Specifications for these devices can be found in the New Products / Latest Updates section of Central's website at: www.centalsemi.com/product/whatsnew/newprod/ [1]

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