



September 7, 2011

CTLSH01-30

CTLSH01-30L

**30V, 100mA Low V_F Schottky Diodes
in the ultra miniature TLM2D3D6 package**



[TLM2D3D6 package*](#)

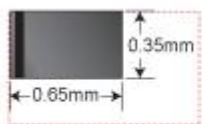
30V, 100mA Schottky Diodes

Description

Central Semiconductor's **CTLSH01-30** and **CTLSH01-30L** are 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. The TLM2D3D6 package has a dimension of 0.65mm x 0.35mm and a low profile of 0.32mm making both of these devices ideal for space constrained designs requiring superior energy efficiency.

Package size comparison:

The TLM2D3D6 utilizes **67%** less board space than then SOD-882L

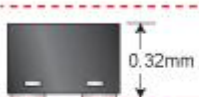


TLM2D3D6



SOD-882L

The TLM2D3D6 has a **20%** lower profile than the SOD-882L



TLM2D3D6



SOD-882L

Features

- Current ($I_O=100mA$)
- Low forward voltage
- Low leakage current

Applications

- DC-DC conversion
- Voltage clamping
- Circuit protection
- Battery power management

Benefits

- Energy efficiency
- Space saving low profile package
- Ideal for logic level circuitry

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[CTLSH01-30](#)

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