

## LCD Driver 3.7V 12-Pin WSON EP T/R

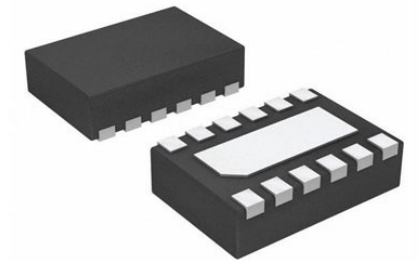
**Manufacturer:** [Texas Instruments, Inc](#)

**Package/Case:** WSON12

**Product Type:** Optoelectronics

**RoHS:** RoHS Compliant/Lead free 

**Lifecycle:** Active



Images are for reference only

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### General Description

The TPS65133 is designed to supply any system requiring  $\pm 5.0$ -V supply rails. Each output can supply up to 250 mA of output current. The input supply voltage range is suitable for use with lithium ion batteries or from a fixed 3.3-V supply.

Efficiency is typically over 90% for most applications (operating from a lithium ion battery, output currents in the range 50 mA to 200 mA). The two converters in the TPS65133 device operate independently, allowing 100% mismatch between positive and negative output currents.

## Key Features

2.9-V to 5.0-V Input Voltage Range

Fixed 5.0-V Positive Output Voltage (VPOS)

Fixed -5.0-V Negative Output Voltage (VNEG)

±1% Output Voltage Accuracy

High Efficiency

250-mA Output Current Capability

Independent Converter Operation Allows 100% Output Current Mismatch

Excellent Line and Load Transient Response

Operates in CCM to Minimize Output Noise

Boost Converter able to Operate with Input Supply Voltages close to 5.0 V

Short-Circuit Protection

Thermal Shutdown

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## Recommended For You

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### **TPS61196PWPRQ1**

Texas Instruments, Inc

HTSSOP28

### **TPS92391RHBR**

Texas Instruments, Inc

VQFN32

### **TLC591161TPWRQ1**

Texas Instruments, Inc

TSSOP28

### **TPS92692QPWPTQ1**

Texas Instruments, Inc

HTSSOP20

### **TPS92691PWP**

Texas Instruments, Inc

HTSSOP-16

### **TPS92691PWPR**

Texas Instruments, Inc

HTSSOP16

### **TPS92633QPWPRQ1**

Texas Instruments, Inc

HTSSOP20

### **TPS61161QDRVRQ1**

Texas Instruments, Inc

WSON-6

### **TPS61194PWPRQ1**

Texas Instruments, Inc

HTSSOP20

### **TPS92520QDADRQ1**

Texas Instruments, Inc

HTSSOP32

### **TPS92630QPWPRQ1**

Texas Instruments, Inc

HTSSOP16

### **TPS92691QPWPRQ1**

Texas Instruments, Inc

HTSSOP-16

**TPS92692QPWRQ1**

Texas Instruments, Inc

HTSSOP-20

**TPS65132SYFFR**

Texas Instruments, Inc

DSBGA-15

**TPS65132B2YFFR**

Texas Instruments, Inc

DSBGA15