
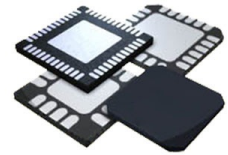


Conv DC-DC 4.5V to 18V Synchronous Step Down Single-Out 3.3V 3A Automotive 16-Pin DFN EP

Manufacturer:	Semtech Corporation
Package/Case:	QFN
Product Type:	Power Management ICs
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active



Images are for reference only

[Inquiry](#)

General Description

The TS30013 (3A) is a DC/DC synchronous switching regulator with fully integrated power switches, internal compensation, and full fault protection. The switching frequency of 1MHz enables the use of small filter components resulting in minimal board space and reduced BOM costs.

Key Features

- Fixed output voltage choices: 1.5V, 1.8V, 2.5V, 3.3V, and 5V with +/- 2% output tolerance
- Adjustable version output voltage range: 0.9V to 5.5V with +/- 1.5% reference
- Wide input voltage range
- TS30013: 4.5V to 18V (20V Abs Max)
- 1MHz +/- 10% fixed switching frequency
- Continuous output current: 3A (TS30013)
- High efficiency – up to 95%
- Current mode PWM control with PFM mode for improved light load efficiency
- Voltage supervisor for V
- OUT
- Input supply under voltage lockout
- Soft start for controlled startup with no overshoot
- Full protection for over-current, over-temperature, and V
- OUT
- Less than 10uA in standby mode
- Low external component countmal board space and reduced BOM costs.

Application

- On-card switching regulators
- Set-top box, DVD, LCD, LED supply
- Industrial power supplies
- Packaging
- 16 Pin QFN 3mmx3mm
- Order Codes
- TS30013-M000QFNR
- TS30013-M015QFNR
- TS30013-M018QFNR
- TS30013-M025QFNR
- TS30013-M033QFNR
- TS30013-M050QFNR

Recommended For You

TS81000-5YA00104QFNR

Semtech Corporation

64-QFN

TS51224-M000WCSR

Semtech Corporation

25-WCSP2.3x2.3

TS61002-QFNR

Semtech Corporation

QFN

TS80003-QFNR

Semtech Corporation

QFN

TS61005-QFNR

Semtech Corporation

10-MLPD-UT(2.3x2.3)

TS81001-5YA00104QFNR

Semtech Corporation

BGA

TS4305BMSTRT

Semtech Corporation

8-SOIC

TS80000-QFNR

Semtech Corporation

QFN

TS81000-2P800209QFNR

Semtech Corporation

64-QFN

TS81000-5PB00406QFNR

Semtech Corporation

64-QFN

SC1112ATSTR

Semtech Corporation

TSSOP

TS51111-M22WCSR

Semtech Corporation

SMD

TS81000-CExxx411QFNR

Semtech Corporation

64-QFN

TS51231-QFNR

Semtech Corporation

QFN

TS80002-510009QFNR

Semtech Corporation

64-QFN