

LDO Regulator Pos 1.8V 0.8A 8-Pin SOIC N Tube

Manufacturer:	Microchip Technology, Inc
Package/Case:	SOP8
Product Type:	Power Management ICs
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active



Images are for reference only

[Inquiry](#)

General Description

The TC1265 is a fixed output, high accuracy (typically $\pm 0.5\%$) CMOS low dropout regulator. Designed specifically for battery-operated systems, the TC1265's CMOS construction eliminates wasted ground current, significantly extending battery life. Total supply current is typically 80 μA at full load (20 to 60 times lower than in bipolar regulators). TC1265 key features include ultra low noise, very low dropout voltage (typically 450 mV at full load), and fast response to step changes in load. The TC1265 incorporates both over-temperature and over-current protection. The TC1265 is stable with an output capacitor of only 1 μF and has a maximum output current of 800 mA. It is available in 8-Pin SOIC, 5-Pin TO-220, and 5-Pin DDPACK packages.

Key Features

- Very Low Dropout Voltage
- High Output Voltage Accuracy
- Standard or Custom Output Voltages
- Over-Current and Over-Temperature Protection
- SHDN Input for Active Power Management
- ERROR Output to Detect Low Battery (SOIC Only)



Recommended For You

TC7660COA

Microchip Technology, Inc
SOP8

TC54VC3002ECB713

Microchip Technology, Inc
SOT-23

TC4428ACOA

Microchip Technology, Inc
SOP8

TC429CPA

Microchip Technology, Inc
DIP8

TC4420EPA

Microchip Technology, Inc
DIP8

TC1232CPA

Microchip Technology, Inc
DIP8

TC1232COA

Microchip Technology, Inc
SOP-8

TC4427AEPA

Microchip Technology, Inc
DIP8

TC4421CAT

Microchip Technology, Inc
TO220-5

TC4420CPA

Microchip Technology, Inc
DIP8

TC4422EPA

Microchip Technology, Inc
DIP8

TC1232EOA

Microchip Technology, Inc
SOP-8

TC1240AECHIR

Microchip Technology, Inc
SOT23-6

TC4421CPA

Microchip Technology, Inc
DIP8

TC4420COA

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