

## Charge Pump STPUP 5V to 11V 20mA 6-Pin SOT-23 T/R

**Manufacturer:** [Microchip Technology, Inc](#)

**Package/Case:** SOT23-6

**Product Type:** Power Management ICs

**RoHS:** RoHS Compliant/Lead free 

**Lifecycle:** Active

TC1240AECHTR Image

Images are for reference only

[Inquiry](#)

### General Description

The TC1240A is a doubling CMOS charge-pump voltage converter in a small 6-Pin SOT-23A package. TC1240A doubles an input voltage which can range from +2.5V to +5.5V. Conversion efficiency is typically >99%. Internal oscillator frequency is 160kHz for the TC1240A. The TC1240A has an active high shutdown which limits the current consumption of the device to less than 1 $\mu$ A. External component requirement is only two capacitors for standard voltage doubler applications. All other circuitry, including control, oscillator, power MOSFETs are integrated on-chip. Typical supply current is 550 $\mu$ A and the device is available in a 6-Pin SOT-23A surface mount package.

### Key Features

Voltage Doubling

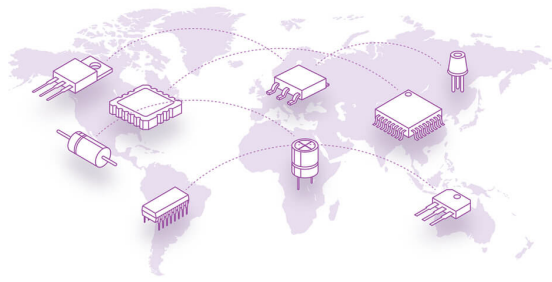
Low Output Resistance (12Ohms Typical)

Only Two External Capacitors Required

Consumes 550 $\mu$ A (Typical) in Active Mode

Power-Saving Shutdown Mode (1 $\mu$ A Maximum)

Shutdown Input Fully Compatible with 1.8V Logic Systems



## Recommended For You

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### **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

### **TC4421CPA**

Microchip Technology, Inc  
DIP8

### **TC4420COA**

Microchip Technology, Inc  
SOP-8

### **TC7660HEOA**

Microchip Technology, Inc  
SOP-8