

# **XC62H Series**

## **Positive Voltage Regulators**

#### **General Description**

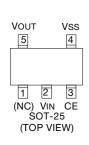
The XC62H series are highly precise, low power consumption, positive voltage regulators, manufactured using CMOS and laser trimming technologies. The series consists of a high precision voltage reference, an error correction circuit, and an output driver with current limitation.

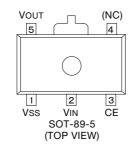
By way of the CE function, with output turned off, the series enters stand-by. In the stand-by mode, power consumption is greatly reduced.

SOT-25 (150mW) and SOT-89-5 (500mW) packages are avail-

In relation to the CE function, as well as the positive logic XC62HR series, a negative logic XC62HP series (custom) is also available.

### **Pin Configuration**





### **Features**

**Maximum Output Current:** 165mA

(within Maximum power dissipation, Vout=3.0V) Output Voltage Range: 2.0V to 6.0V in 0.1V increments (1.1V to 1.9V semi-custom)

Highly Accurate: Setup voltage ± 2%

( ± 1% for semi-custom products )

Low power consumption:

TYP  $3\mu$ A [Vout=3.0, Output enabled] TYP  $0.1\mu$ A [ Output disabled ]

**Output voltage temperature characteristics:** 

TYP± 100ppm/°C Line regulation: TYP 0.2%/V

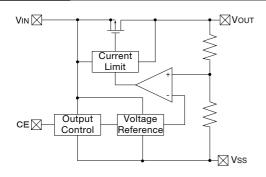
Ultra small package: SOT-25 (150mW) mini-mold

: SOT-89-5(500mW) mini-power mold

### **Pin Assignment**

PIN NUMBER		PIN	FUNCTION
SOT-25	SOT-89-5	NAME	FUNCTION
1	4	(NC)	No Connection
2	2	VIN	Supply Voltage Input
3	3	CE	Chip Enable
4	1	Vss	Ground
5	5	Vout	Regulated Output Voltage

## **Block Diagram**



### **Ordering Information**

 $XC62H \times \times \times \times \times \times \times \times \times$ 

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a b cdef

DESIGNATOR	DESCRIPTION	DESIGNATOR	DESCRIPTION
а	True Logic Level at CE Pin : R = Positive P = Negative ( Custom )		Package Type M = SOT-25 P = SOT-89-5
b	Output Voltage: 30 = 3.0V 50 = 5.0V	е	
С	0		Device Orientation : R = Embossed Tape ( Right ) L = Embossed Tape ( Left )
d	Output Voltage Accuracy: 1 = ±1.0% ( Semi-Custom ) 2 = ±2.0%	f	

