

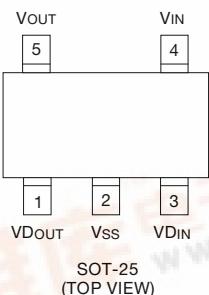
XC66D Series

Positive Voltage Regulator with built-in Voltage Detect Functions

General Description

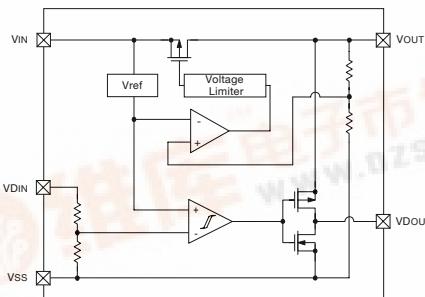
The XC66D series consists of a voltage detector and voltage regulator built into the one chip and is, essentially, a voltage regulator with voltage detect capabilities. Low power consumption and high accuracy is achieved through CMOS and laser trimming technologies. The detector features an output driver, hysteresis circuit, comparator and extremely accurate standard voltage. The regulator features an error correction circuit, output driver with current limiter functions, minimal input-output voltage differential and similarly accurate standard voltage. SOT-25 (150mW) package available.

Pin Configuration

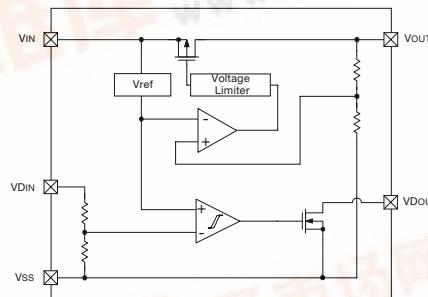


Block Diagram

(1) XC66DC CMOS output (High level = VOUT)



(2) XC66DN N-ch open drain



Ordering Information

XC66D × x x x | x x x
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a b c d e

DESIGNATOR	DESCRIPTION	DESIGNATOR	DESCRIPTION
a	Detector Output Configuration C = CMOS (High level=VOUT) N = N-ch open drain	d	Package Type M = SOT-25
b	Detect Voltage (VDF) 25 = 2.5V 38 = 3.8V	e	Device Orientation R = Embossed Tape (Orientation of device : right) L = Embossed Tape (Orientation of device : left)
c	Regulator Output Voltage (VOUT) 33 = 3.3V 50 = 5.0V		