

CDT7230	P 1
VOLTAGE DETECTOR	

## ■ THE CDT7230 SERIES

1. Non-adjusting voltage detector by using CMOS Technology, 2.0-15.0VDC operating range.
2. The detecting voltage is fixed internally, and can be changed by new masking.
3. Composed of Standard Voltage Source, a Comparator, a Hysteresis Circuit, and an Output Driver.
4. Output Structure is a N-ch Open-Drain Output.
5. Normally LED is off. It will turn on when voltage is low.

## ■ FEATURES

- Low Power Consumption
- Low Temperature Coefficient
- Built-in Hysteresis Characteristic
- Built-in High-Stability Reference Source

## ■ PACKAGE

- Chip Form
- T0-92
- SOT-89

## ■ APPLICATIONS

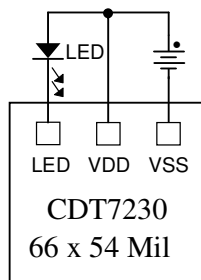
- Battery Checker
- Level Selector
- Power Failure Detector
- Micro Computer Reset
- Battery Backup of Memories

## ■ PRODUCTS LIST

Part No.	Min.	Typ.	Max.	Hys. Width	Mark
CDT7230-01	2.15V	2.235	2.32V	0.112V	2235
CDT7230-02	2.35V	2.450	2.53V	0.123V	2450
CDT7230-02B	2.23V	2.300	2.37V	0.115V	2300
CDT7230-03	2.45V	2.545	2.64V	0.128V	2545
CDT7230-03C	2.62V	2.700	2.78V	0.135V	2700
*CDT7230-04	3.90V			Pilot run	
*CDT7230-05	4.56V	4.70	4.84	0.235V	4700

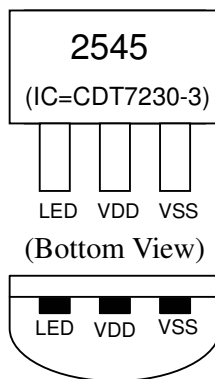
## ■ PIN ARRANGEMENT

A. Chip form

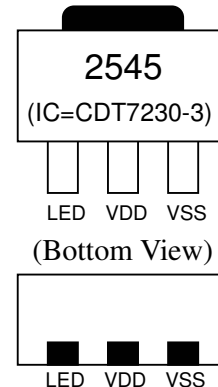


IC substrate to VDD

B. T0-92 (Front View)



C. SOT-89 (Front View)



CDT7230	P 2
VOLTAGE DETECTOR	

## CDT - 7230 規格表

### A. Function:

When the supply voltage (VDD) drops to the preset value, the LED lamp will turn on.

### B. Characteristics:

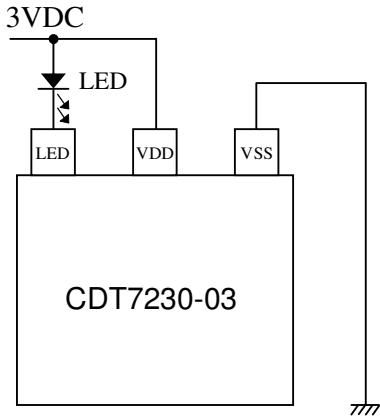
Maximum Operating Voltage 12V

Maximum Operating Current 10  $\mu$ A (@VDD = 8V)

LED current minimum 0.5 mA (@ Vout = 0.2V, @ VDD = 2V)

### C. Application Circuit : (Examples)

#### ■ CDT7230-3 to detect 2.55V



#### ■ CDT7230-3 to detect 7V using divider

