

MDT7822

Voltage Detector

1. General Description

MDT7822 is a voltage detector which can generate a low level signal whenever the input voltage (supply voltage) falls below threshold voltage level (2.2v).

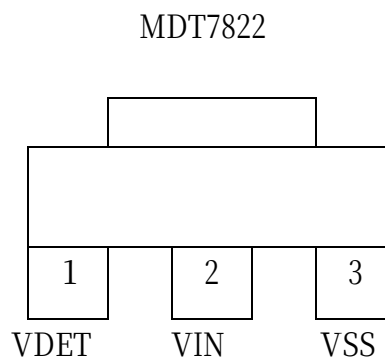
2. Features

- Low detectable voltage 2.2V
- Low power consumption
- Built-in hysteresis characteristic

3. Applications

- Battery detectors
- Power checkers
- Micro-controller reset

4. Pin Function Description



Pin Name	I/O	Function
VSS		Ground
VDET	Open Drain	Supply voltage detector. Output low if $V_{in} < 2.2V$.
VIN	Input	Supply voltage input

ORDERING INFORMATION

Device	Package
MDT7822ST	SOT89

MDT7822

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5. Electrical Characteristics

Parameter	Test Conditions	Min.	Typ.	Max.	Unit
Low Battery Detect Voltage (LBDV)	HI to LOW Detectable Voltage	2.1	2.2	2.3	V
	LOW to HI Detectable Voltage	2.2	2.3	2.4	V
LBDV hysteresis Width	----- -----	0.5	0.1	0.15	V
Ivin	No load		2	5	uA
Vin Operating Voltage	-----	1.2		7	V
VDET Sink Current	VIN=2V		9		mA

6. Application Circuit

EXTERNAL COMPONENT : RPU=47K

