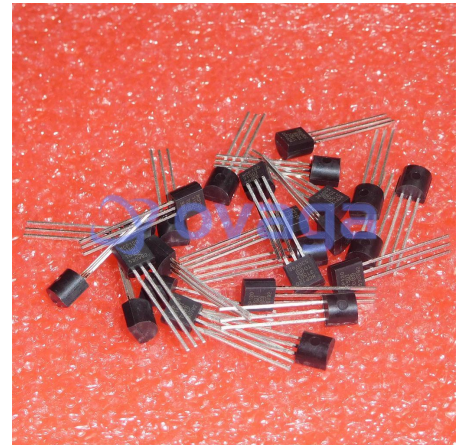


## Supervisory Circuits Open Drain Low

Manufacturers	<a href="#">Microchip Technology, Inc</a>
Package/Case	TO-92-3
Product Type	Power Management ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for MCP120-315DI/TO or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The MCP120 is a voltage supervisory device designed to keep a microcontroller in reset until the system voltage has reached the proper level and stabilized. It also operates as protection from brown-out conditions when the supply voltage drops below a safe operating level. MCP120 features an open drain output, and active low reset and is available in a choice of seven different trip voltages. It operates over the extended industrial temperature range (-40°C/+85°C). MCP120 is available in a TO-92, SOT23-3, and SN packages.

## Features

Holds microcontroller in reset until supply voltage reaches stable operating level

Resets microcontroller during power loss

Precision monitoring of 3V, 3.3V and 5V systems

7 voltage trip points available

Active low RESET pin

Open drain output

Internal pull-up resistor (5 k $\Omega$ ) for MCP130

Holds RESET for 35k $\Omega$  (typical)

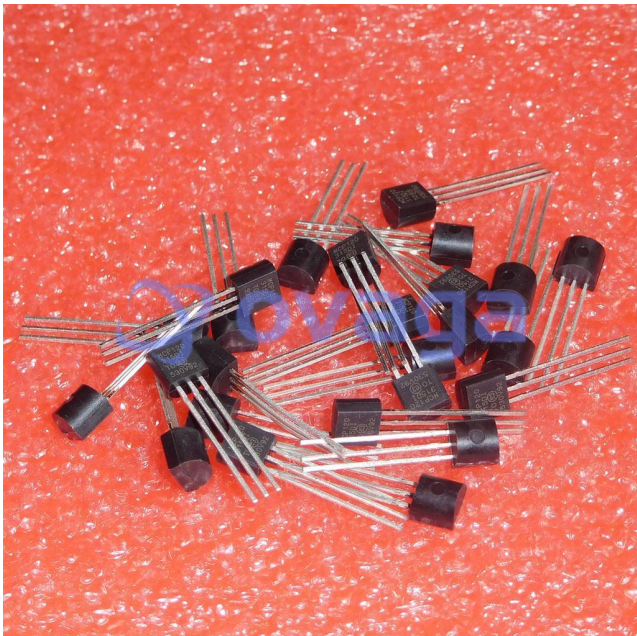
RESET to >

Accuracy of +(-)125mV for 5V systems and +(-)75mV for 3V systems over temp

45 $\mu$ A typical operating current

Temperature range:

Industrial (I): -40C to +85C



## Related Products



### [MCP1725-3302E/MC](#)

Microchip Technology, Inc  
DFN-8



### [MCP1702T-2502E/CB](#)

Microchip Technology, Inc  
SOT-23A-3



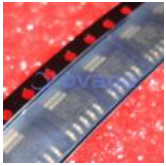
[MCP1702T-5002E/CB](#)

Microchip Technology, Inc  
SOT-23



[MCP1700T-3002E/TT](#)

Microchip Technology, Inc  
SOT-23-3



[MCP1826T-ADJE/DC](#)

Microchip Technology, Inc  
SOT-223-5



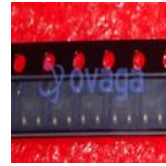
[MCP1700T-2502E/TT](#)

Microchip Technology, Inc  
SOT-23-3



[MCP73830T-2AAI/MYY](#)

Microchip Technology, Inc  
TDFN-6



[MCP1703T-5002E/CB](#)

Microchip Technology, Inc  
SOT-23A-3