

Product Overview

CAT706: Voltage Supervisor, Active Low

For complete documentation, see the data sheet.

The CAT706 provides reset and monitoring functions for the electronic systems. Each device monitors the system voltage and maintains a reset output until that voltage reaches the device's specified trip value and then maintains the reset output active condition until the device's internal timer allows the system power supply to stabilize. The CAT706 has a watchdog input which can be used to monitor a system signal and causes WDO to go low if the signal fails to change state prior to a timeout condition. The supervisory circuits provide a MR input which initiates a reset if pulled low. The CAT706 provides an active low RESET output. There is a secondary supply monitor included for power-fail warning (pin PFI).

Features

- Reset guaranteed valid for 1.0 V VCC
- 6 μ A supply current
- 200 ms Reset pulse width
- Watchdog timer function 1.6 s timeout
- Operating Range from -40°C to $+85^{\circ}\text{C}$
- Pin and function compatible with the MAX706 product
- Accurate brownout detection reset in 3.0, 3.6, and 5.0 volt systems
- Secondary low supply monitoring on PFI input
- SOIC 8-lead and MSOP 8-lead Packages
- These Devices are Pb-Free, Halogen Free/BFR Free and are RoHS Compliant

For more features, see the data sheet

Applications

- Microprocessor and microcontroller based systems
- Instrument and control systems
- Portable equipment

Part Electrical Specifications

Product	Pricing (\$/Unit)	Compliance	Status	Voltages Monitored	V _{CC} Max (V)	V _(T0) Typ (V)	I _O Typ (μ A)	Reset Active State	Reset Timer	Manual Reset	Watchdog Timer	Package Type
CAT706SVI-GT3	0.648	Pb-free Halide free	Active	2	5.5	2.93	6	Low	Yes	Yes	No	SOIC-8

For more information please contact your local sales support at www.onsemi.com.

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