

製品概要

MAX809: Voltage Supervisor, Very Low Supply Current, 3-Pin Microprocessor, Reset Monitor

技術情報は、データシートをご参照ください。

The MAX809/NCV809 and MAX810 are cost-effective system supervisor circuits designed to monitor VCC in digital systems and provide a reset signal to the host processor when necessary. No external components are required. The reset output is driven active within 10 µsec of VCC falling through the reset voltage threshold. Reset is maintained active for a timeout period which is trimmed by factory after VCC rises above the reset threshold. The MAX810 has an active-high RESET output while the MAX809 has an active-low RESETbar output. Both devices are available in a SOT-23 and SC-70 packages. The MAX809/810 are optimized to reject fast transient glitches on The VCCline. Low supply current of 0.5 µA (VCC = 3.3 V) makes these devices suitable for battery powered applications.

特長

- NCV Version for Automotive
 - Precision VCC Monitor for 1.5 V, 1.8V, 2.5 V, 3.0 V, 3.3 V and 5.0 V supplies
 - Precision Monitoring Voltages from 1.2 V to 4.9 V Available in 100 mV Steps
 - Four Guaranteed Minimum RESET Output Duration(1ms, 20ms, 100ms and 140ms)
 - RESET Output Guaranteed to VCC = 1.0 V
 - Low 1.0 µA Supply Current
 - VCC Transient Immunity
 - Small SOT-23 and SC-70 Package
 - No External Components
 - Wide Operating Temperature: -40°C to 105°C
- For more features, see the data sheet

利点

- AEC-Q100 Qualified

アプリケーション

- Computers
- Embedded Systems
- Battery Powered Equipment
- Critical Microprocessor Power Supply Monitoring
- Body Electronic

製品	Pricing (\$/Unit)	Compliance	Status	Voltages Monitored	V _{CC} Max (V)	V _(T0) Typ (V)	I _Q Typ (µA)	Reset Active State	Reset Timer	Manual Reset	Watchdog Timer	Package Type
MAX809HTRG		Pb-free Halide free non AEC-Q and PPAP	Active	1	5.5	4.55	0.5	Low	Yes	No	No	SOT-23-3
MAX809JTRG	0.1705	Pb-free Halide free non AEC-Q and PPAP	Active	1	5.5	4	0.5	Low	Yes	No	No	SOT-23-3
MAX809LTRG	0.1772	Pb-free Halide free non AEC-Q and PPAP	Active	1	5.5	4.63	0.5	Low	Yes	No	No	SOT-23-3
MAX809MTRG	0.1535	Pb-free Halide free non AEC-Q and PPAP	Active	1	5.5	4.38	0.5	Low	Yes	No	No	SOT-23-3
MAX809RTRG	0.1601	Pb-free Halide free non AEC-Q and PPAP	Active	1	5.5	2.63	0.5	Low	Yes	No	No	SOT-23-3
MAX809SN120T1G		Pb-free Halide free non AEC-Q and PPAP	Active	1	5.5	1.2	0.5	Low	Yes	No	No	SOT-23-3
MAX809SN160T1G	0.236	Pb-free Halide free non AEC-Q and PPAP	Active	1	5.5	1.6	0.5	Low	Yes	No	No	SOT-23-3
MAX809SN232T1G	0.1573	Pb-free Halide free non AEC-Q and PPAP	Active	1	5.5	2.32	0.5	Low	Yes	No	No	SOT-23-3
MAX809SN293D1T1G	0.1832	Pb-free Halide free non AEC-Q and PPAP	Active	1	5.5	2.93	0.5	Low	Yes	No	No	SOT-23-3
MAX809SN293D2T1G		Pb-free Halide free non AEC-Q and PPAP	Active	1	5.5	2.93	0.5	Low	Yes	No	No	SOT-23-3
MAX809SN293D3T1G	0.1589	Pb-free Halide free non AEC-Q and PPAP	Active	1	5.5	2.93	0.5	Low	Yes	No	No	SOT-23-3
MAX809SN490T1G		Pb-free Halide free non AEC-Q and PPAP	Active	1	5.5	4.9	0.5	Low	Yes	No	No	SOT-23-3
MAX809SQ120T1G		Pb-free Halide free non AEC-Q and PPAP	Active	1	5.5	1.2	0.5	Low	Yes	No	No	SC-70-3 / SOT-323-3
MAX809SQ232T1G	0.236	Pb-free Halide free non AEC-Q and PPAP	Active	1	5.5	2.32	0.5	Low	Yes	No	No	SC-70-3 / SOT-323-3
MAX809SQ263T1G	0.236	Pb-free Halide free non AEC-Q and PPAP	Active	1	5.5	2.63	0.5	Low	Yes	No	No	SC-70-3 / SOT-323-3
MAX809SQ293D1T1G	0.236	Pb-free Halide free non AEC-Q and PPAP	Active	1	5.5	2.93	0.5	Low	Yes	No	No	SC-70-3 / SOT-323-3

MAX809SQ293D2T1G	0.236	Pb-free Halide free non AEC-Q and PPAP	Active	1	5.5	2.93	0.5	Low	Yes	No	No	SC-70-3 / SOT- 323-3
MAX809SQ293D3T1G		Pb-free Halide free non AEC-Q and PPAP	Active	1	5.5	2.93	0.5	Low	Yes	No	No	SC-70-3 / SOT- 323-3
MAX809SQ293T1G		Pb-free Halide free non AEC-Q and PPAP	Active	1	5.5	2.93	0.5	Low	Yes	No	No	SC-70-3 / SOT- 323-3
MAX809SQ308T1G	0.1815	Pb-free Halide free non AEC-Q and PPAP	Active	1	5.5	3.08	0.5	Low	Yes	No	No	SC-70-3 / SOT- 323-3
MAX809SQ400T1G		Pb-free Halide free non AEC-Q and PPAP	Active	1	5.5	4	0.5	Low	Yes	No	No	SC-70-3 / SOT- 323-3
MAX809SQ438T1G		Pb-free Halide free non AEC-Q and PPAP	Active	1	5.5	4.38	0.5	Low	Yes	No	No	SC-70-3 / SOT- 323-3
MAX809SQ463T1G		Pb-free Halide free non AEC-Q and PPAP	Active	1	5.5	4.63	0.5	Low	Yes	No	No	SC-70-3 / SOT- 323-3
MAX809STRG	0.1089	Pb-free Halide free non AEC-Q and PPAP	Active	1	5.5	2.93	0.5	Low	Yes	No	No	SOT-23- 3
MAX809TTRG	0.1871	Pb-free Halide free non AEC-Q and PPAP	Active	1	5.5	3.08	0.5	Low	Yes	No	No	SOT-23- 3
NCV809SN293D1T1G	0.236	AEC Qualified PPAP Capable Pb-free Halide free	Active	1	5.5	2.93	0.5	Low	Yes	No	No	SOT-23- 3

詳細は、弊社 www.onsemi.jp の営業または販売代理店にお問い合わせください。

6/25/2021 作成