

General Description

The MAX803/MAX809/MAX810 are microprocessor (µP) supervisory circuits used to monitor the power supplies in µP and digital systems. They provide excellent circuit reliability and low cost by eliminating external components and adjustments when used with +5V, +3.3V, +3.0V, or +2.5V powered circuits.

These circuits perform a single function: they assert a reset signal whenever the V_{CC} supply voltage declines below a preset threshold, keeping it asserted for at least 140ms after VCC has risen above the reset threshold. Reset thresholds suitable for operation with a variety of supply voltages are available.

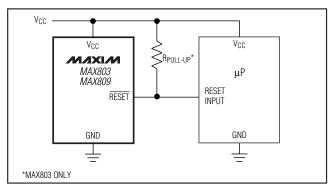
The MAX803 has an open-drain output stage, while the MAX809/MAX810 have push-pull outputs. The MAX803's open-drain RESET output requires a pull-up resistor that can be connected to a voltage higher than VCC. The MAX803/MAX809 have an active-low RESET output, while the MAX810 has an active-high RESET output. The reset comparator is designed to ignore fast transients on VCC, and the outputs are guaranteed to be in the correct logic state for V_{CC} down to 1V.

Low supply current makes the MAX803/MAX809/ MAX810 ideal for use in portable equipment. The MAX803 is available in a 3-pin SC70 package, and the MAX809/MAX810 are available in 3-pin SC70 or SOT23 packages.

Applications

Computers Controllers Intelligent Instruments Critical µP and µC Power Monitoring Portable/Battery-Powered Equipment Automotive

Typical Operating Circuit



Features

- ♦ Precision Monitoring of +2.5V, +3V, +3.3V, and +5V Power-Supply Voltages
- **♦** Fully Specified Over Temperature
- **♦** Available in Three Output Configurations Open-Drain RESET Output (MAX803) Push-Pull RESET Output (MAX809) **Push-Pull RESET Output (MAX810)**
- ♦ 140ms min Power-On Reset Pulse Width
- ♦ 12µA Supply Current
- ♦ Guaranteed Reset Valid to V_{CC} = +1V
- **♦ Power Supply Transient Immunity**
- **♦ No External Components**
- ♦ 3-Pin SC70 and SOT23 Packages

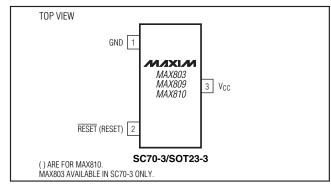
Ordering Information

PART	TEMP. RANGE	PIN-PACKAGE
MAX803_EXR-T	-40°C to +125°C	3 SC70-3
MAX803_EXR-T10	-40°C to +125°C	3 SC70-3
MAX809_EXR-T	-40°C to +125°C	3 SC70-3
MAX809_EXR-T10	-40°C to +125°C	3 SC70-3
MAX809_EUR-T	-40°C to +105°C	3 SOT23-3
MAX809_EUR-T10	-40°C to +105°C	3 SOT23-3
MAX810_EXR-T	-40°C to +125°C	3 SC70-3
MAX810_EXR-T10	-40°C to +125°C	3 SC70-3
MAX810_EUR-T	-40°C to +105°C	3 SOT23-3
MAX810_EUR-T10	-40°C to +105°C	3 SOT23-3

Note: These parts are offered in 2.5k or 10k reels, and must be ordered in 2.5k or 10k increments. Order MAX803_EXR-T for 2.5k reels and MAX803 EXR-T10 for 10k reels. Insert the desired suffix letter from the Selector Guide into the blank to complete the part number. All versions of these products may not be available at the time of announcement. Contact factory for availability.

Devices are available in both leaded and lead-free packaging. Specify lead-free by replacing "-T" with "+T" when ordering.

Pin Configuration



/U/IXI/U

Maxim Integrated Products 1

ABSOLUTE MAXIMUM RATINGS

Terminal Voltage (with respect to GND)	
V _{CC}	0.3V to +6.0V
RESET, RESET (push-pull)	$0.3V$ to $(V_{CC} + 0.3V)$
RESET (open drain)	0.3V to +6.0V
Input Current, V _{CC}	20mA
Output Current, RESET, RESET	20mA
Rate of Rise, V _{CC}	100V/µs

Continuous Power Dissipation (T _A =	+70°C)
3-Pin SC70 (derate 2.17mW/°C at	oove +70°C)174mW
3-Pin SOT23 (derate 4mW/°C abo	ove +70°C)320mW
Operating Temperature Range	
3-Pin SC70	40°C to +125°C
3-Pin SOT23	40°C to +105°C
Storage Temperature Range	65°C to +150°C
Lead Temperature (soldering, 10s).	+300°C

Stresses beyond those listed under "Absolute Maximum Ratings" may cause permanent damage to the device. These are stress ratings only, and functional operation of the device at these or any other conditions beyond those indicated in the operational sections of the specifications is not implied. Exposure to absolute maximum rating conditions for extended periods may affect device reliability.

ELECTRICAL CHARACTERISTICS

 $(V_{CC} = \text{full range}, T_A = -40^{\circ}\text{C to} + 105^{\circ}\text{C (SOT23)} \text{ or } T_A = -40^{\circ}\text{C to} + 125^{\circ}\text{C (SC70)}, \text{ unless otherwise noted. Typical values are at } T_A = +25^{\circ}\text{C}, V_{CC} = 5\text{V for L/M/J versions}, V_{CC} = 3.3\text{V for T/S versions}, V_{CC} = 3V \text{ for R version, and } V_{CC} = 2.5\text{V for Z version.}) \text{ (Note 1)}$

PARAMETER	SYMBOL		CONDITIONS	MIN	TYP	MAX	UNITS
		$T_A = 0$ °C to +70°C		1.0		5.5	
V _{CC} Range		$T_A = -40^{\circ}C$ to	$T_A = -40$ °C to $+105$ °C (MAX8 EUR)			5.5	V
		$T_A = -40^{\circ}C$ to) +125°C (MAX8EXR)	1.2		5.5	
		T _A = -40°C	V _{CC} < 5.5V, MAX8L/M		24	60	
Cumply Cumpet (COT22)	1	to +85°C	V _{CC} < 3.6V, MAX8R/S/T/Z		17	50	
Supply Current (SOT23)	Icc	T _A = +85°C	V _{CC} < 5.5V, MAX8L/M			100	
		to +105°C	V _{CC} < 3.6V, MAX8R/S/T/Z			100]
		T _A = -40°C	V _{CC} < 5.5V, MAX8L/M		24	35	μΑ
Supply Current (SC70)	loo	to +85°C	V _{CC} < 3.6V, MAX8R/S/T/Z		17	30	
Supply Current (SC70)	Icc	T _A = +85°C	V _{CC} < 5.5V, MAX8L/M			60	
		to +125°C	V _{CC} < 3.6V, MAX8R/S/T/Z			60	1
		MAX8L	T _A = +25°C	4.56	4.63	4.70	V
			$T_A = -40$ °C to $+85$ °C	4.50		4.75	
			$T_A = -40^{\circ}\text{C to } + 125^{\circ}\text{C}$	4.40		4.86	
		MAX8M	T _A = +25°C	4.31	4.38	4.45	
			$T_A = -40^{\circ}C \text{ to } +85^{\circ}C$	4.25		4.50	
			$T_A = -40^{\circ}\text{C to } + 125^{\circ}\text{C}$	4.16		4.56	
		MAX809J (SOT only)	T _A = +25°C	3.93	4.00	4.06	
			$T_A = -40^{\circ}C \text{ to } +85^{\circ}C$	3.89		4.10	
Reset Threshold	\ / ·		$T_A = -40^{\circ}C \text{ to } +125^{\circ}C$	3.80		4.20	
(SOT only)	VTH		T _A = +25°C	3.04	3.08	3.11	
		MAX8T	$T_A = -40$ °C to $+85$ °C	3.00		3.15	
			$T_A = -40^{\circ}\text{C to } + 125^{\circ}\text{C}$	2.92		3.23	
			T _A = +25°C	2.89	2.93	2.96	
		MAX8S	$T_A = -40^{\circ}C \text{ to } +85^{\circ}C$	2.85		3.00	
			$T_A = -40^{\circ}C \text{ to } +125^{\circ}C$	2.78		3.08	
			T _A = +25°C	2.59	2.63	2.66	
		MAX8R	$T_A = -40^{\circ}\text{C to } +85^{\circ}\text{C}$	2.55		2.70	
			$T_A = -40^{\circ}\text{C to } + 125^{\circ}\text{C}$	2.50		2.76	

MAX803L/M/R/S/T/Z, MAX809J/L/M/R/S/T/Z, MAX810L/M/R/S/T/Z

3-Pin Microprocessor Reset Circuits

ELECTRICAL CHARACTERISTICS (continued) (V_{CC} = full range, T_A = -40°C to +105°C (SOT23) or T_A = -40°C to +125°C (SC70), unless otherwise noted. Typical values are at T_A = +25°C, V_{CC} = 5V for L/M/J versions, V_{CC} = 3.3V for T/S versions, V_{CC} = 3V for R version, and V_{CC} = 2.5V for Z version.) (Note 1)

PARAMETER	SYMBOL		CONDITIONS	MIN	TYP	MAX	UNITS
			T _A = +25°C	4.56	4.63	4.70	
		MAX8L	$T_A = -40^{\circ}\text{C to } +85^{\circ}\text{C}$	4.50		4.75	
			$T_A = -40^{\circ}\text{C to } + 125^{\circ}\text{C}$	4.44		4.82	
			T _A = +25°C	4.31	4.38	4.45	
		MAX8M	$T_A = -40^{\circ}\text{C to } +85^{\circ}\text{C}$	4.25		4.50	
			$T_A = -40^{\circ}\text{C to } + 125^{\circ}\text{C}$	4.20		4.56	
			T _A = +25°C	3.04	3.08	3.11	
		MAX8T	$T_A = -40^{\circ}\text{C to } +85^{\circ}\text{C}$	3.00		3.15	
Reset Threshold	VTH		$T_A = -40^{\circ}\text{C to } + 125^{\circ}\text{C}$	2.95		3.21	\/
(SC70 only)	VIH		T _A = +25°C	2.89	2.93	2.96] v
		MAX8S	$T_A = -40^{\circ}\text{C to } +85^{\circ}\text{C}$	2.85		3.00	
			$T_A = -40^{\circ}\text{C to } + 125^{\circ}\text{C}$	2.81		3.05	
			T _A = +25°C	2.59	2.63	2.66	
		MAX8R	$T_A = -40^{\circ}\text{C to } +85^{\circ}\text{C}$	2.55		2.70	- - -
			$T_A = -40^{\circ}\text{C to } + 125^{\circ}\text{C}$	2.52		2.74	
		MAX8Z (SC70 only)	T _A = +25°C	2.28	2.32	2.35	
			$T_A = -40^{\circ}\text{C to } +85^{\circ}\text{C}$	2.25		2.38	
			$T_A = -40^{\circ}\text{C to } + 125^{\circ}\text{C}$	2.22		2.42	
Reset Threshold Tempco					30		ppm/°C
V _{CC} to Reset Delay (Note 2)		V _C C = V _{TH} to	(V _{TH} - 100 mV)		20		μs
Reset Active Timeout Period		$T_A = -40^{\circ}C$ to) +85°C	140	240	560	ma
(SOT23)		$T_A = +85^{\circ}C$ to	o +105°C	100		840	ms
Reset Active Timeout Period		$T_A = -40^{\circ}C$ to) +85°C	140	240	460	ms
(SC70)		$T_A = +85^{\circ}C \text{ to}$	o +125°C	100		840	1115
RESET Output Voltage Low (push-	V _{OL}		in, I _{SINK} = 1.2mA, Г/Z, MAX809R/S/T/Z			0.3	
pull active low and open-drain active low, MAX803 and MAX809)			in, I _{SINK} = 3.2mA, MAX809J/L/M			0.4	V
		V _{CC} > 1.0V, I	SINK = 50µA			0.3	
RESET Output Voltage High (push-pull active low MAX809)	VoH		ax, I _{SOURCE} = 500µA, Г/Z, MAX809R/S/T/Z	0.8V _{CC}			.,
			ax, I _{SOURCE} = 800µA, MAX809J/L/M	V _{CC} - 1.	5		V
RESET Output Voltage Low (push-	VoL	V _{CC} = V _{TH} m MAX810R/S/	ax, I _{SINK} = 1.2mA,			0.3	.,
pull active high, MAX810)		V _{CC} = V _{TH} m MAX810L/M	ax, I _{SINK} = 3.2mA,			0.4	- V

ELECTRICAL CHARACTERISTICS (continued)

 $(V_{CC} = \text{full range}, T_A = -40^{\circ}\text{C to} + 105^{\circ}\text{C (SOT23)} \text{ or } T_A = -40^{\circ}\text{C to} + 125^{\circ}\text{C (SC70)}, \text{ unless otherwise noted. Typical values are at } T_A = +25^{\circ}\text{C}, V_{CC} = 5\text{V for L/M/J versions}, V_{CC} = 3.3\text{V for T/S versions}, V_{CC} = 3V \text{ for R version, and } V_{CC} = 2.5\text{V for Z version.})$ (Note 1)

PARAMETER	SYMBOL	CONDITIONS	MIN	TYP	MAX	UNITS
RESET Output Voltage High (push-pull active high, MAX810)	Voh	1.8V < V _{CC} < V _{TH} min, I _{SOURCE} = 150μA	0.8V _{CC}			V
RESET Open-Drain Output Leakage Current (MAX803) (Note 3)		V _{CC} > V _{TH} , RESET deasserted			1	μA

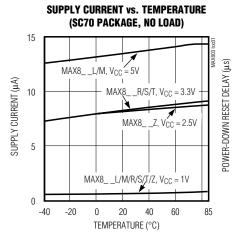
Note 1: Production testing done at TA = +25°C; limits over temperature guaranteed by design only.

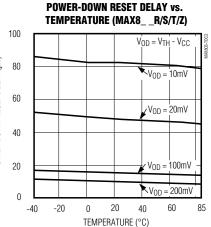
Note 2: RESET output for MAX803/MAX809; RESET output for MAX810.

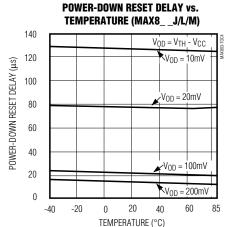
Note 3: Guaranteed by design, not production tested.

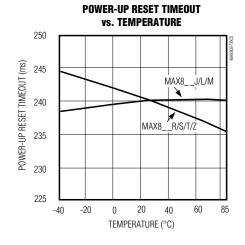
Typical Operating Characteristics

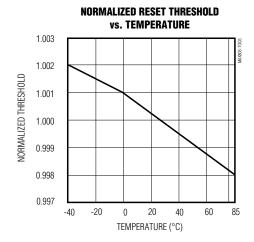
(V_{CC} = full range, T_A = -40°C to +105°C, unless otherwise noted. Typical values are at T_A = +25°C, V_{CC} = +5V for L/M/J versions, V_{CC} = +3.3V for T/S versions, V_{CC} = +3V for R version, and V_{CC} = +2.5V for Z version.)











Selector Guide

DADT/CHEELY	DECET TUDEOUGLD (A)	QUITDLIT TYPE	TOP N	TOP MARK		
PART/SUFFIX	RESET THRESHOLD (V)	OUTPUT TYPE	SOT	SC70		
MAX803L	4.63	OPEN-DRAIN RESET	_	AAZ		
MAX803M	4.38	OPEN-DRAIN RESET	_	ABA		
MAX803T	3.08	OPEN-DRAIN RESET	_	ABB		
MAX803S	2.93	OPEN-DRAIN RESET	_	ABC		
MAX803R	2.63	OPEN-DRAIN RESET	_	ABD		
MAX803Z	2.32	OPEN-DRAIN RESET	_	ABE		
MAX809L	4.63	PUSH-PULL RESET	AAAA	AAN		
MAX809M	4.38	PUSH-PULL RESET	ABAA	AAO		
MAX809J	4.00	PUSH-PULL RESET	CWAA	_		
MAX809T	3.08	PUSH-PULL RESET	ACAA	AAP		
MAX809S	2.93	PUSH-PULL RESET	ADAA	AAQ		
MAX809R	2.63	PUSH-PULL RESET	AFAA	AAR		
MAX809Z	2.32	PUSH-PULL RESET	_	AAS		
MAX810L	4.63	PUSH-PULL RESET	AGAA	AAT		
MAX810M	4.38	PUSH-PULL RESET	AHAA	AAU		
MAX810T	3.08	PUSH-PULL RESET	AJAA	AAV		
MAX810S	2.93	PUSH-PULL RESET	AKAA	AAX		
MAX810R	2.63	PUSH-PULL RESET	ALAA	AAW		
MAX810Z	2.32	PUSH-PULL RESET	_	AAY		

Detailed Description

A microprocessor's (µP's) reset input starts the µP in a known state. The MAX803/MAX809/MAX810 assert reset to prevent code-execution errors during power-up, power-down, or brownout conditions. They assert a reset signal whenever the VCC supply voltage declines below a preset threshold, keeping it asserted for at least 140ms after VCC has risen above the reset threshold. The MAX803 uses an open-drain output, and the MAX809/MAX810 have a push-pull output stage. Connect a pull-up resistor on the MAX803's RESET output to any supply between 0 and 6V.

Pin Description

PIN	NAME	FUNCTION
1	GND	Ground
RESET (MAX803/ MAX809)		RESET Output remains low while V _{CC} is below the reset threshold, and for at least 140ms after V _{CC} rises above the reset threshold.
2	RESET (MAX810)	RESET Output remains high while V _{CC} is below the reset threshold, and for at least 140ms after V _{CC} rises above the reset threshold.
3	Vcc	Supply Voltage (+5V, +3.3V, +3.0V, or +2.5V)

_Applications Information

Negative-Going Vcc Transients

In addition to issuing a reset to the μP during power-up, power-down, and brownout conditions, the MAX803/MAX809/MAX810 are relatively immune to short-duration negative-going V_{CC} transients (glitches).

Figure 1 shows typical transient duration vs. reset comparator overdrive, for which the MAX803/MAX809/ MAX810 do **not** generate a reset pulse. The graph was generated using a negative-going pulse applied to VCC, starting 0.5V above the actual reset threshold and ending below it by the magnitude indicated (reset comparator overdrive). The graph indicates the maximum pulse width a negative-going VCC transient can have without causing a reset pulse. As the magnitude of the transient increases (goes farther below the reset threshold), the maximum allowable pulse width decreases. Typically, for the MAX8_L and MAX8_M, a VCC transient that goes 100mV below the reset threshold and lasts 20µs or less will not cause a reset pulse. A 0.1µF bypass capacitor mounted as close as possible to the VCC pin provides additional transient immunity.

Ensuring a Valid Reset Output Down to Vcc = 0

When VCC falls below 1V, the MAX809 RESET output no longer sinks current—it becomes an open circuit.

Therefore, high-impedance CMOS logic inputs connected to RESET can drift to undetermined voltages. This presents no problem in most applications since most μP and other circuitry is inoperative with VCC below 1V. However, in applications where RESET must be valid down to 0V, adding a pull-down resistor to RESET causes any stray leakage currents to flow to ground, holding RESET low (Figure 2). R1's value is not critical; $100 k\Omega$ is large enough not to load RESET and small enough to pull RESET to ground.

A 100k Ω pull-up resistor to VCC is also recommended for the MAX810 if RESET is required to remain valid for VCC < 1V.

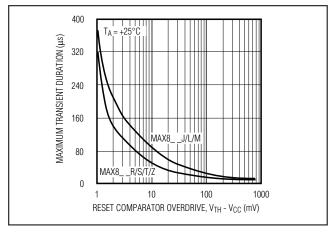


Figure 1. Maximum Transient Duration Without Causing a Reset Pulse vs. Reset Comparator Overdrive

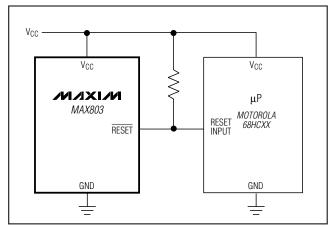


Figure 3. Interfacing to µPs with Bidirectional Reset I/O

Interfacing to µPs with Bidirectional Reset Pins

Since the $\overline{\text{RESET}}$ output on the MAX803 is open drain, this device interfaces easily with μPs that have bidirectional reset pins, such as the Motorola 68HC11. Connecting the μP supervisor's $\overline{\text{RESET}}$ output directly to the microcontroller's (μC 's) $\overline{\text{RESET}}$ pin with a single pull-up resistor allows either device to assert reset (Figure 3).

MAX803 Open-Drain RESET Output Allows Use with Multiple Supplies

Generally, the pull-up connected to the MAX803 will connect to the supply voltage that is being monitored at the IC's V_{CC} pin. However, some systems may use the open-drain output to level-shift from the monitored supply to reset circuitry powered by some other supply (Figure 4). Note that as the MAX803's V_{CC} decreases

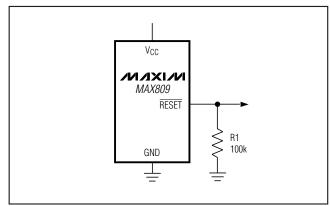


Figure 2. RESET Valid to VCC = Ground Circuit

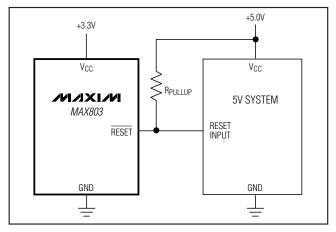


Figure 4. MAX803 Open-Drain RESET Output Allows Use with Multiple Supplies

below 1V, so does the IC's ability to sink current at RESET. Also, with any pull-up, RESET will be pulled high as VCC decays toward 0. The voltage where this occurs depends on the pull-up resistor value and the voltage to which it is connected.

Benefits of Highly Accurate Reset Threshold

Most μP supervisor ICs have reset threshold voltages between 5% and 10% below the value of nominal supply voltages. This ensures a reset will **not** occur within 5% of the nominal supply, but **will** occur when the supply is 10% below nominal.

When using ICs rated at only the nominal supply $\pm 5\%$, this leaves a zone of uncertainty where the supply is between 5% and 10% low, and where the reset may or may not be asserted.

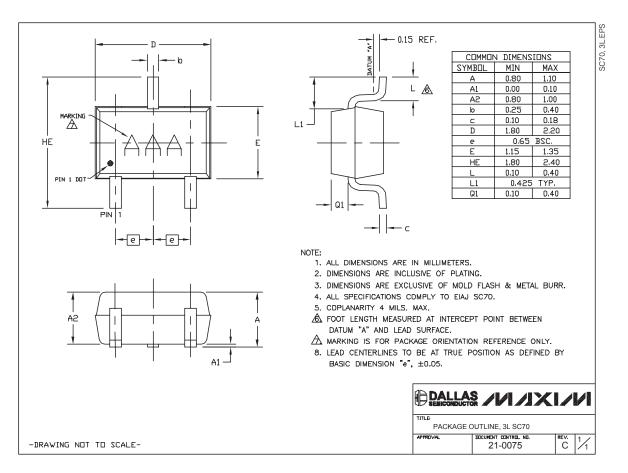
The MAX8__L/T/Z use highly accurate circuitry to ensure that reset is asserted close to the 5% limit, and long before the supply has declined to 10% below nominal.

Chip Information

TRANSISTOR COUNT: 275 (SOT23) 380 (SC70)

Package Information

(The package drawing(s) in this data sheet may not reflect the most current specifications. For the latest package outline information, go to **www.maxim-ic.com/packages**.)



Package Information (continued)

(The package drawing(s) in this data sheet may not reflect the most current specifications. For the latest package outline information, go to www.maxim-ic.com/packages.)

NOTES: 1. D&E DO NOT INCLUDE MOLD FLASH. **INCHES** MILLIMETERS 2. MOLD FLASH OR PROTRUSIONS NOT TO DIM MIN MAX MIN MAX EXCEED .15mm (.006") 0.031 0.047 0.787 1.194 Α 3. CONTROLLING DIMENSION: MILLIMETER Α1 0.001 0.005 0.025 0.127 0.014 0.356 0.559 В 0.022 0.152 \mathbb{C} 0.0034 0.006 0.086 \mathbb{D} 2.667 0.105 0.120 3.048 1.194 Ε 0.047 0.055 1.397 0.070 0.080 1.778 2.032 9 Н 0.098 0.082 2.083 2.489 L 0.004 0.012 0.102 0.305 S 0.017 0.022 0.432 0.559 0° 8° 0° 8° α PACKAGE DUTLINE,SDT-23, С 21-0051

Maxim cannot assume responsibility for use of any circuitry other than circuitry entirely embodied in a Maxim product. No circuit patent licenses are implied. Maxim reserves the right to change the circuitry and specifications without notice at any time.

Maxim Integrated Products, 120 San Gabriel Drive, Sunnyvale, CA 94086 408-737-7600



PRODUCTS

SOLLITION

DESIGN

A PPNOTE:

SLIPPORT

BUY

COMPAN

/EMBERS

MAX809M

Part Number Table

Notes:

- 1. See the MAX809M QuickView Data Sheet for further information on this product family or download the MAX809M full data sheet (PDF, 208kB).
- 2. Other options and links for purchasing parts are listed at: http://www.maxim-ic.com/sales.
- 3. Didn't Find What You Need? Ask our applications engineers. Expert assistance in finding parts, usually within one business day.
- 4. Part number suffixes: T or T&R = tape and reel; + = RoHS/lead-free; # = RoHS/lead-exempt. More: See full data sheet or Part Naming Conventions.
- 5. * Some packages have variations, listed on the drawing. "PkgCode/Variation" tells which variation the product uses.

Part Number	Free Sample	Buy Direct	Package: TYPE PINS SIZE DRAWING CODE/VAR *	Temp	RoHS/Lead-Free? Materials Analysis
MAX809MEXR+T10				-40C to +125C	RoHS/Lead-Free: Yes
MAX809MEUR+T10				-40C to +85C	RoHS/Lead-Free: Yes
MAX809MEXR			SC-70;3 pin; Dwg: 21-0075C (PDF) Use pkgcode/variation: X3-2*	-40C to +125C	RoHS/Lead-Free: No Materials Analysis
MAX809MEXR+			SC-70;3 pin; Dwg: 21-0075C (PDF) Use pkgcode/variation: X3+2*	-40C to +125C	RoHS/Lead-Free: Yes Materials Analysis
MAX809MEXR-T			SC-70;3 pin; Dwg: 21-0075C (PDF) Use pkgcode/variation: X3-2*	-40C to +125C	RoHS/Lead-Free: No Materials Analysis
MAX809MEXR-T10			SC-70;3 pin; Dwg: 21-0075C (PDF) Use pkgcode/variation: X3-2*	-40C to +125C	RoHS/Lead-Free: No Materials Analysis
MAX809MEXR+T			SC-70;3 pin; Dwg: 21-0075C (PDF) Use pkgcode/variation: X3+2*	-40C to +125C	RoHS/Lead-Free: Yes Materials Analysis

MAX809MEUR-TG002	SOT-23;3 pin; Dwg: 21-0051G (PDF) Use pkgcode/variation: U3-1*	-40C to +85C	RoHS/Lead-Free: No Materials Analysis
MAX809MEUR	SOT-23;3 pin; Dwg: 21-0051G (PDF) Use pkgcode/variation: U3-1*	-40C to +85C	RoHS/Lead-Free: No Materials Analysis
MAX809MEUR+	SOT-23;3 pin; Dwg: 21-0051G (PDF) Use pkgcode/variation: U3+1*	-40C to +85C	RoHS/Lead-Free: Yes Materials Analysis
MAX809MEUR+T	SOT-23;3 pin; Dwg: 21-0051G (PDF) Use pkgcode/variation: U3+1*	-40C to +85C	RoHS/Lead-Free: Yes Materials Analysis
MAX809MEUR-T10	SOT-23;3 pin; Dwg: 21-0051G (PDF) Use pkgcode/variation: U3-1*	-40C to +85C	RoHS/Lead-Free: No Materials Analysis
MAX809MEUR-T	SOT-23;3 pin; Dwg: 21-0051G (PDF) Use pkgcode/variation: U3-1*	-40C to +85C	RoHS/Lead-Free: No Materials Analysis

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