

### **General Description**

The MAX6715-MAX6729 are ultra-low-voltage microprocessor (µP) supervisory circuits designed to monitor two or three system power-supply voltages. These devices assert a system reset if any monitored supply falls below its factorytrimmed or adjustable threshold and maintain reset for a minimum timeout period after all supplies rise above their thresholds. The integrated dual/triple supervisory circuits significantly improve system reliability and reduce size compared to separate ICs or discrete components.

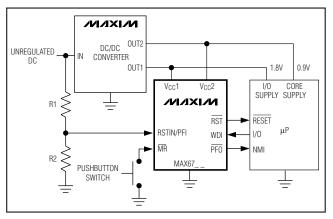
These devices monitor primary supply voltages (VCC1) from 1.8V to 5.0V and secondary supply voltages (VCC2) from 0.9V to 3.3V with factory-trimmed reset threshold voltage options (see Reset Voltage Threshold Suffix Guide). An externally adjustable RSTIN input option allows customers to monitor a third supply voltage down to 0.62V. These devices are guaranteed to be in the correct reset output logic state when either VCC1 or VCC2 remains greater than 0.8V.

A variety of push-pull or open-drain reset outputs along with watchdog input, manual reset input, and power-fail input/output features are available (see Selector Guide). Select reset timeout periods from 1.1ms to 1120ms (min) (see Reset Timeout Period Suffix Guide). The MAX6715-MAX6729 are available in small 5, 6, and 8-pin SOT23 packages and operate over the -40°C to +85°C temperature range.

### **Applications**

Multivoltage Systems Telecom/Networking Equipment Computers/Servers Portable/Battery-Operated Equipment Industrial Equipment Printer/Fax Set-Top Boxes

### Typical Operating Circuit



#### **Features**

- ♦ V<sub>CC</sub>1 (primary supply) Reset Threshold Voltages from 1.58V to 4.63V
- ♦ V<sub>CC</sub>2 (secondary supply) Reset Threshold Voltages from 0.79V to 3.08V
- ♦ Externally Adjustable RSTIN Threshold for Auxiliary/Triple-Voltage Monitoring (0.62V internal reference)
- Watchdog Timer Option 35s (min) Long Startup Period 1.12s (min) Normal Timeout Period
- **♦ Manual Reset Input Option**
- ♦ Power-Fail Input/Power-Fail Output Option (Push-Pull and Open-Drain Active-Low)
- ♦ Guaranteed Reset Valid Down to Vcc1 or  $V_{CC2} = 0.8V$
- **♦ Reset Output Logic Options**
- **♦ Immune to Short Vcc Transients**
- ♦ Low Supply Current 14µA (typ) at 3.6V
- ♦ Small 5, 6, and 8-Pin SOT23 Packages

### **Ordering Information**

PART	TEMP RANGE	PIN-PACKAGE
MAX6715UTDT	-40°C to +85°C	6 SOT23-6
MAX6716UTDT	-40°C to +85°C	6 SOT23-6
<b>MAX6717</b> UKDT	-40°C to +85°C	5 SOT23-5
MAX6718UKDT	-40°C to +85°C	5 SOT23-5
MAX6719UTDT	-40°C to +85°C	6 SOT23-6
MAX6720UTDT	-40°C to +85°C	6 SOT23-6

**Note:** The first "\_\_" are placeholders for the threshold voltage levels of the devices. Desired threshold levels are set by the part number suffix found in the Reset Voltage Threshold Suffix Guide. The " " after the D is a placeholder for the reset timeout delay time. Desired delay time is set using the timeout period suffix found in the Reset Timeout Period Suffix Guide. For example the MAX6716UTLTD3-T is a dual-voltage supervisor  $V_{TH}1 = 4.625V$ , V<sub>TH</sub>2 = 3.075V, and 210ms (typ) timeout period.

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

Ordering Information continued at end of data sheet.

Pin Configurations and Selector Guide appear at end of data sheet.

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Maxim Integrated Products 1

#### **ABSOLUTE MAXIMUM RATINGS**

Terminal Voltage (with respect to GND)	
V <sub>CC</sub> 1, V <sub>CC</sub> 2	
Open-Drain RST, RST1, RST2, PFO, RST	0.3V to +6V
Push-Pull RST, RST1, PFO, RST	$-0.3V$ to $(V_{CC}1 + 0.3V)$
Push-Pull RST2	$-0.3V$ to $(V_{CC}2 + 0.3V)$
RSTIN, PFI, MR, WDI	0.3V to +6V
Input Current/Output Current (all pins)	20mA

Continuous Power Dissipation ( $T_A = +70$ °C)	
5-Pin SOT23-5 (derate 7.1mW/°C above +70°C)	571mW
6-Pin SOT23-6 (derate 8.7mW/°C above +70°C)	696mW
8-Pin SOT23-8 (derate 8.9mW/°C above +70°C)	714mW
Operating Temperature Range40°	°C to +85°C
Storage Temperature Range65°C	C to +150°C
Junction Temperature	+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**

 $(V_{CC}1 = V_{CC}2 = 0.8V \text{ to } 5.5V, \text{GND} = 0, T_A = -40^{\circ}\text{C} \text{ to } +85^{\circ}\text{C}, \text{ unless otherwise noted.}$  Typical values are at  $T_A = +25^{\circ}\text{C}$ .) (Note 1)

PARAMETER	SYMBOL	CONDITIONS	MIN	TYP	MAX	UNITS		
Supply Voltage	Vcc		0.8		5.5	V		
	laar	V <sub>CC</sub> 1 < 5.5V, all I/O pins open		15	39			
Company Commany	ICC1	V <sub>CC</sub> 1 < 3.6V, all I/O pins open		10	28			
Supply Current	laga	V <sub>CC</sub> 2 < 3.6V, all I/O pins open		4	11	μΑ		
	ICC2	V <sub>CC</sub> 2 < 2.75V, all I/O pins open		3	9			
		L (falling)	4.500	4.625	4.750			
		M (falling)	4.250	4.375	4.500			
		T (falling)	3.000	3.075	3.150			
		S (falling)	2.850	2.925	3.000			
V <sub>CC</sub> 1 Reset Threshold	V <sub>TH1</sub>	R (falling)	2.550	2.625	2.700	V		
		Z (falling)	2.250	2.313	2.375			
		Y (falling)	2.125	2.188	2.250	-		
		W (falling)	1.620	1.665	1.710			
		V (falling)	1.530	1.575	1.620			
		T (falling)	3.000	3.075	3.150	-		
		S (falling)	2.850	2.925	3.000			
		R (falling)	2.550	2.625	2.700			
		Z (falling)	2.250	2.313	2.375			
		Y (falling)	2.125	2.188	2.250			
		W (falling)	1.620	1.665	1.710			
V <sub>CC</sub> 2 Reset Threshold	V <sub>TH2</sub>	V (falling)	1.530	1.575	1.620	V		
		l (falling)	1.350	1.388	1.425			
		H (falling)	1.275	1.313	1.350			
		G (falling)	1.080	1.110	1.140			
		F (falling)	1.020	1.050	1.080	]		
		E (falling)	0.810	0.833	0.855	]		
		D (falling)	0.765	0.788	0.810	]		
Reset Threshold Tempco				20		ppm/°C		
Reset Threshold Hysteresis	V <sub>H</sub> YST	Referenced to V <sub>TH</sub> typical		0.5		%		

### **ELECTRICAL CHARACTERISTICS (continued)**

 $(V_{CC}1 = V_{CC}2 = 0.8V \text{ to } 5.5V, \text{ GND} = 0, T_A = -40^{\circ}\text{C} \text{ to } +85^{\circ}\text{C}, \text{ unless otherwise noted.}$  Typical values are at  $T_A = +25^{\circ}\text{C}.)$  (Note 1)

PARAMETER	SYMBOL	CONDITIONS	MIN	TYP	MAX	UNITS
V <sub>CC</sub> to Reset Output Delay	t <sub>RD</sub>	$V_{CC}1 = (V_{TH}1 + 100 \text{mV}) \text{ to } (V_{TH}1 - 100 \text{mV}) \text{ or}$ $V_{CC}2 = (V_{TH}2 + 75 \text{mV}) \text{ to } (V_{TH}2 - 75 \text{mV})$		20		μs
		D1	1.1	1.65	2.2	
		D2	8.8	13.2	17.6	
Reset Timeout Period	+==	D3	140	210	280	ma
Reset Timeout Feriod	t <sub>RP</sub>	D5	280	420	560	ms
		D6	560	840	1120	
		D4	1120	1680	2240	
ADJUSTABLE RESET COMPA	RATOR INPU	T (MAX6719/MAX6720/MAX6723-MAX6727)				
RSTIN Input Threshold	VRSTIN		611	626.5	642	mV
RSTIN Input Current	I <sub>RSTIN</sub>		-25		+25	nA
RSTIN Hysteresis				3		mV
RSTIN to Reset Output Delay	trstind	V <sub>RSTIN</sub> to (V <sub>RSTIN</sub> - 30mV)		22		μs
POWER-FAIL INPUT (MAX6728	/MAX6729)		•			
PFI Input Threshold	VpFi		611	626.5	642	mV
PFI Input Current	I <sub>PFI</sub>		-25		+25	nA
PFI Hysteresis	VPFH			3		mV
PFI to PFO Delay	tDPF	(V <sub>PFI</sub> + 30mV) to (V <sub>PFI</sub> - 30mV)		2		μs
MANUAL RESET INPUT (MAX6	715-MAX672	2/MAX6725-MAX6729)				
MD Input Voltage	VIL			0.0	3 × V <sub>CC</sub> 1	V
MR Input Voltage	VIH		$0.7 \times V_{\rm C}$	C1		V
MR Minimum Pulse Width			1			μs
MR Glitch Rejection				100		ns
MR to Reset Delay	t <sub>MR</sub>			200		ns
MR Pullup Resistance			25	50	80	kΩ
WATCHDOG INPUT (MAX6721-	-MAX6729)					
Watchdog Timeout Period	twp	First watchdog period after reset timeout period	35	54	72	S
		Normal mode	1.12	1.68	2.24	
WDI Pulse Width	twDI	(Note 2)	50			ns
WDI Input Voltors	VIL			0.0	3 × V <sub>CC</sub> 1	\/
WDI Input Voltage	VIH		$0.7 \times V_{\rm C}$	C1		V
WDI Input Current	I <sub>WDI</sub>	WDI = 0 or V <sub>CC</sub> 1	-1		+1	μΑ

### **ELECTRICAL CHARACTERISTICS (continued)**

 $(V_{CC}1 = V_{CC}2 = 0.8V \text{ to } 5.5V, \text{ GND} = 0, T_A = -40^{\circ}\text{C} \text{ to } +85^{\circ}\text{C}, \text{ unless otherwise noted. Typical values are at } T_A = +25^{\circ}\text{C.})$  (Note 1)

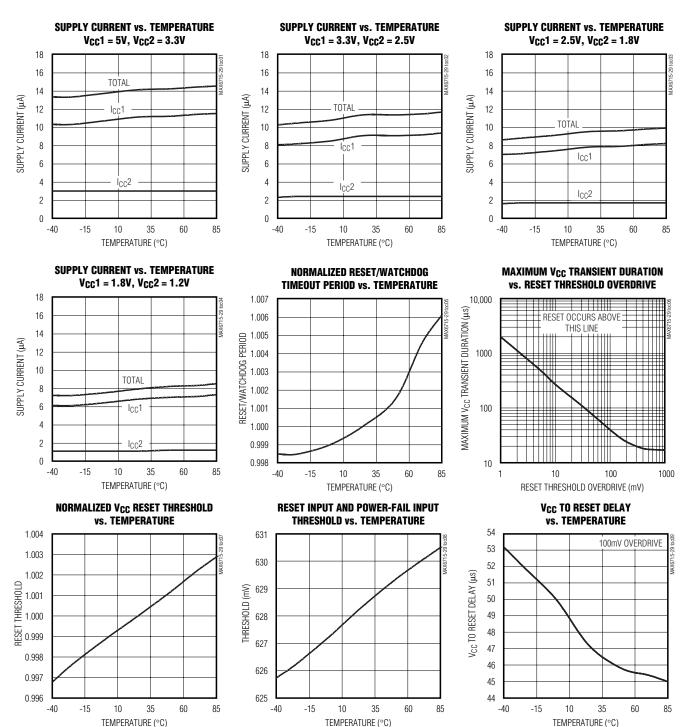
PARAMETER	SYMBOL	CONDITIONS	MIN T	YP MAX	UNITS		
RESET/POWER-FAIL OUTPUTS	3		•				
		V <sub>CC</sub> 1 or V <sub>CC</sub> 2 ≥ 0.8V, I <sub>SINK</sub> = 1μA, output asserted		0.3			
		V <sub>CC</sub> 1 or V <sub>CC</sub> 2 ≥ 1.0V, I <sub>SINK</sub> = 50µA, output asserted					
RST/RST1/RST2/PFO Output LOW (Push-Pull or Open-Drain)	V <sub>OL</sub>	V <sub>CC</sub> 1 or V <sub>CC</sub> 2 ≥ 1.2V, I <sub>SINK</sub> = 100μA, output asserted		0.3	.3 V		
(i dan-i dii di Operi-Diairi)		V <sub>CC</sub> 1 or V <sub>CC</sub> 2 ≥ 2.7V, I <sub>SINK</sub> = 1.2mA, output asserted		0.3			
		V <sub>CC</sub> 1 or V <sub>CC</sub> 2 ≥ 4.5V, I <sub>SINK</sub> = 3.2mA, output asserted		0.4			
		V <sub>CC</sub> 1 ≥ 1.8V, I <sub>SOURCE</sub> = 200μA, output not asserted	0.8 × V <sub>CC</sub> 1				
RST/RST1/PFO Output HIGH (Push-Pull Only)	VoH	V <sub>CC</sub> 1 ≥ 2.7V, I <sub>SOURCE</sub> = 500μA, output not asserted	0.8 × V <sub>CC</sub> 1	V			
(Fusii-Fuii Offiy)		V <sub>CC</sub> 1 ≥ 4.5V, I <sub>SOURCE</sub> = 800µA, output not asserted	0.8 × V <sub>CC</sub> 1				
		V <sub>CC</sub> 2 ≥ 1.8V, I <sub>SOURCE</sub> = 200μA, output not asserted	0.8 × V <sub>CC</sub> 2				
RST2 Output HIGH (Push-Pull Only)	VoH	V <sub>CC</sub> 2 ≥ 2.7V, I <sub>SOURCE</sub> = 500μA, output not asserted	0.8 × V <sub>CC</sub> 2	0.8 × V <sub>CC</sub> 2			
(Lagir all Grilly)		V <sub>CC</sub> 2 ≥ 4.5V, I <sub>SOURCE</sub> = 800µA, output not asserted	0.8 × V <sub>CC</sub> 2				
		V <sub>CC</sub> 1 ≥ 1.0V, I <sub>SOURCE</sub> = 1μA, reset asserted	0.8 × V <sub>CC</sub> 1				
RST		V <sub>CC</sub> 1 ≥ 1.8V, I <sub>SOURCE</sub> = 150μA, reset asserted	0.8 × V <sub>CC</sub> 1				
Output HIGH (Push-Pull Only)	Voh	V <sub>CC</sub> 1 ≥ 2.7V, I <sub>SOURCE</sub> = 500μA, reset asserted	0.8 × V <sub>CC</sub> 1		V		
		V <sub>CC</sub> 1 ≥ 4.5V, I <sub>SOURCE</sub> = 800μA, reset asserted	0.8 × V <sub>CC</sub> 1				
		V <sub>CC</sub> 1 or V <sub>CC</sub> 2 ≥ 1.8V, I <sub>SINK</sub> = 500μA, reset not asserted		0.3			
RST Output LOW (Push-Pull or Open Drain)	V <sub>OL</sub>	V <sub>CC</sub> 1 or V <sub>CC</sub> 2 ≥ 2.7V, I <sub>SINK</sub> = 1.2mA, reset not asserted	0.3		V		
		V <sub>CC</sub> 1 or V <sub>CC</sub> 2 ≥ 4.5V, I <sub>SINK</sub> = 3.2mA, reset not asserted		0.4			
RST/RST1/RST2/PFO Output Open-Drain Leakage Current		Output not asserted		0.5	μΑ		
RST Output Open-Drain Leakage Current		Output asserted		0.5	μА		

Note 1: Devices tested at +25°C. Overtemperature limits are guaranteed by design and not production tested.

Note 2: Parameter guaranteed by design.

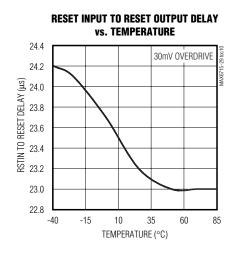
### **Typical Operating Characteristics**

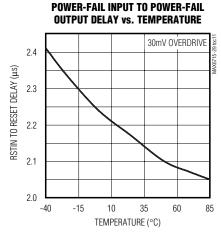
 $(V_{CC}1 = 5V, V_{CC}2 = 3.3V, T_A = +25^{\circ}C, unless otherwise noted.)$ 

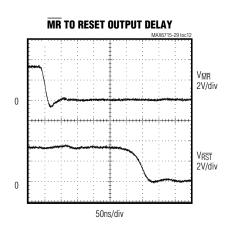


### Typical Operating Characteristics (continued)

 $(V_{CC}1 = 5V, V_{CC}2 = 3.3V, T_A = +25^{\circ}C, unless otherwise noted.)$ 







### **Pin Description**

	PIN								
MAX6715/ MAX6716	MAX6717/ MAX6718	MAX6719/ MAX6720	MAX6721/ MAX6722	MAX6723/ MAX6724	MAX6725/ MAX6726	MAX6727	MAX6728/ MAX6729	NAME	FUNCTION
1	1	1	1	1	1	1, 4	1	RST/ RST1	Active-Low Reset Output, Open-Drain or Push-Pull. RST/RST1 changes from high to low when V <sub>CC</sub> 1 or V <sub>CC</sub> 2 drops below the selected reset thresholds, RSTIN is below threshold, MR is pulled low, or the watchdog triggers a reset. RST/RST1 remains low for the reset timeout period after V <sub>CC</sub> 1/V <sub>CC</sub> 2/RSTIN exceed the device reset thresholds, MR goes low to high, or the watchdog triggers a reset. Open-drain outputs require an external pullup resistor. Push-pull outputs are referenced to V <sub>CC</sub> 1.

## Pin Description (continued)

			P	IN						
MAX6715/ MAX6716	MAX6717/ MAX6718	MAX6719/ MAX6720	MAX6721/ MAX6722	MAX6723/ MAX6724	MAX6725/ MAX6726	MAX6727	MAX6728/ MAX6729	NAME	FUNCTION	
5								RST2	Active-Low Reset Output, Open-Drain or Push-Pull. RST2 changes from high to low when V <sub>CC</sub> 1 or V <sub>CC</sub> 2 drops below the selected reset thresholds or MR is pulled low. RST2 remains low for the reset timeout period after V <sub>CC</sub> 1/V <sub>CC</sub> 2 exceed the device reset thresholds or MR goes low to high. Open-drain outputs require an external pullup resistor. Push-pull outputs are referenced to V <sub>CC</sub> 2.	
2	2	2	2	2	2	2	2	GND	Ground	
3	3	3	3	_	5	5	5	MR	Active-Low Manual Reset Input. Internal 50kΩ pullup to V <sub>CC</sub> 1. Pull low to force a reset. Reset remains active as long as MR is low and for the reset timeout period after MR goes high. Leave unconnected or connect to V <sub>CC</sub> 1 if unused.	
4	4	4	4	4	6	6	6	V <sub>CC</sub> 2	Secondary Supply Voltage Input. Powers the device when it is above V <sub>CC</sub> 1 and input for secondary reset threshold monitor.	
6	5	6	6	9	8	8	8	V <sub>CC</sub> 1	Primary Supply Voltage Input. Powers the device when it is above V <sub>CC</sub> 2 and input for primary reset threshold monitor.	

## Pin Description (continued)

			P	IN					
MAX6715/ MAX6716	MAX6717/ MAX6718	MAX6719/ MAX6720	MAX6721/ MAX6722	MAX6723/ MAX6724	MAX6725/ MAX6726	MAX6727	MAX6728/ MAX6729	NAME	FUNCTION
			5	3	3	3	3	WDI	Watchdog Input. If WDI remains high or low for longer than the watchdog timeout period, the internal watchdog timer runs out and the reset output asserts for the reset timeout period. The internal watchdog timer clears whenever a reset is asserted or WDI sees a rising or falling edge. The watchdog has a long timeout period (35s min) after each reset event and a short timeout period (1.12s min) after the first valid WDI transition.
_	_	5	_	5	7	7	_	RSTIN	Undervoltage Reset Comparator Input. High- impedance input for adjustable reset monitor. The reset output is asserted when RSTIN falls below the 0.626V internal reference voltage. Set the monitored voltage reset threshold with an external resistor-divider network. Connect RSTIN to V <sub>CC</sub> 1 or V <sub>CC</sub> 2 if not used.
_	_	_	_	_	_	_	7	PFI	Power-Fail Voltage Monitor Input. High- impedance input for internal power-fail monitor comparator. Connect PFI to an external resistor- divider network to set the power-fail threshold voltage (0.626V typical internal reference voltage). Connect to GND, V <sub>CC</sub> 1, or V <sub>CC</sub> 2 if not used.

### Pin Description (continued)

	PIN									
MAX6715/ MAX6716	MAX6717/ MAX6718	MAX6719/ MAX6720	MAX6721/ MAX6722	MAX6723/ MAX6724	MAX6725/ MAX6726	MAX6727	MAX6728/ MAX6729	NAME	FUNCTION	
_			_	_			4	PFO	Active-Low Power-Fail Monitor Output, Open- Drain or Push-Pull. PFO is asserted low when PFI is less than 0.626V. PFO deasserts without a reset timeout period. Open- drain outputs require an external pullup resistor. Push-pull outputs are referenced to VCC1.	
					4			RST	Active-High Reset Output, Open-Drain or Push-Pull. RST changes from low to high when VCC1 or VCC2 drops below selected reset thresholds, RSTIN is below threshold, MR is pulled low, or the watchdog triggers a reset. RST remains HIGH for the reset timeout period after VCC1/ VCC 2/RSTIN exceed the device reset thresholds, MR goes low to high, or the watchdog triggers a reset. Open-drain outputs require an external pullup resistor. Push-pull outputs are referenced to VCC1.	

#### **Detailed Description**

#### **Supply Voltages**

The MAX6715–MAX6729 microprocessor ( $\mu$ P) supervisory circuits maintain system integrity by alerting the  $\mu$ P to fault conditions. These ICs are optimized for systems that monitor two or three supply voltages. The output-reset state is guaranteed to remain valid while either VCC1 or VCC2 is above 0.8V.

#### **Threshold Levels**

Input voltage threshold level combinations are indicated by a two-letter code in the Reset Voltage Threshold

Suffix Guide (Table 1). Contact factory for availability of other voltage threshold combinations.

#### **Reset Outputs**

The MAX6715–MAX6729 provides an active-low reset output (RST) and the MAX6725/MAX6726 provides both an active-high (RST) and an active-low reset output (RST). RST, RST, RST1, and RST2 are asserted when the voltage at either VCC1 or VCC2 falls below the voltage threshold level, RSTIN drops below threshold, or MR is pulled low. Once reset is asserted it stays low for the reset timeout period (see Table 2). If VCC1, VCC2, or RSTIN goes below the reset threshold before the reset timeout period is completed, the internal timer

restarts. The MAX6715/MAX6717/MAX6719/MAX6721/MAX6723/MAX6725/MAX6727/MAX6728 contain opendrain reset outputs, while the MAX6716/MAX6718/MAX6720/MAX6722/MAX6724/MAX6726/MAX6729 contain push-pull reset outputs. The MAX6727 provides two separate open-drain  $\overline{RST}$  outputs driven by the same internal logic.

#### Manual Reset Input

Many microprocessor-based products require manual reset capability, allowing the operator, a test technician, or external logic circuitry to initiate a reset. A logic low on  $\overline{\text{MR}}$  asserts the reset output. Reset remains asserted while  $\overline{\text{MR}}$  is low and for the reset timeout period (tpp) after  $\overline{\text{MR}}$  returns high. This input has an internal 50k $\Omega$  pullup resistor to VCC1 and can be left unconnected if not used.  $\overline{\text{MR}}$  can be driven with TTL or CMOS logic levels, or with open-drain/collector outputs. Connect a normally open momentary switch from  $\overline{\text{MR}}$  to GND to create a manual reset function; external debounce circuitry is not required. If  $\overline{\text{MR}}$  is driven from long cables or if the device is used in a noisy environment, connect a 0.1 $\mu$ F capacitor from  $\overline{\text{MR}}$  to GND to provide additional noise immunity.

#### Adjustable Input Voltage

The MAX6719/MAX6720 and MAX6723–MAX6727 provide an additional input to monitor a third system voltage. The threshold voltage at RSTIN is typically 626mV. Connect a resistor-divider network to the circuit as shown in Figure 1 to establish an externally controlled threshold voltage, VEXT\_TH.

$$V_{EXT\_TH} = 626 \text{mV}((R1 + R2)/R2)$$

Low leakage current at RSTIN allows the use of largevalued resistors resulting in reduced power consumption of the system.

#### Watchdog Input

The watchdog monitors  $\mu P$  activity through the watchdog input (WDI). To use the watchdog function, connect WDI to a bus line or  $\mu P$  I/O line. When WDI remains high or low for longer than the watchdog timeout period, the reset output asserts.

The MAX6721–MAX6729 include a dual-mode watch-dog timer to monitor  $\mu P$  activity. The flexible timeout architecture provides a long period initial watchdog mode, allowing complicated systems to complete lengthy boots, and a short period normal watchdog mode, allowing the supervisor to provide quick alerts

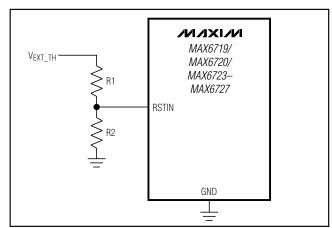


Figure 1. Monitoring a Third Voltage

when processor activity fails. After each reset event (V<sub>CC</sub> power-up/brownout, manual reset, or watchdog reset), there is a long initial watchdog period of 35s minimum. The long watchdog period mode provides an extended time for the system to power-up and fully initialize all  $\mu P$  and system components before assuming responsibility for routine watchdog updates.

The normal watchdog timeout period (1.12s min) begins after the first transition on WDI before the conclusion of the long initial watchdog period (Figure 2). During the normal operating mode, the supervisor will issue a reset pulse for the reset timeout period if the  $\mu P$  does not update the WDI with a valid transition (high-to-low or low-to-high) within the standard timeout period (1.12s min).

#### **Power-Fail Comparator**

PFI is the noninverting input to a comparator. If PFI is less than VpFI (626.5mV), PFO goes low. Common uses for the power-fail comparator include monitoring preregulated input of the power supply (such as a battery) or

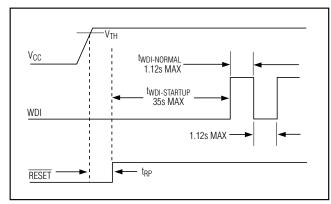


Figure 2. Normal Watchdog Startup Sequence

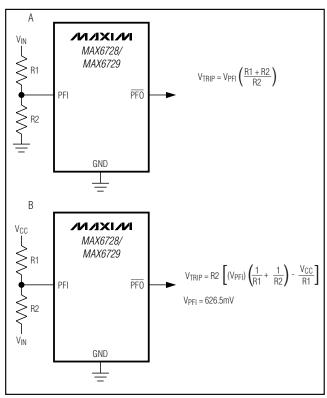


Figure 3. Using Power-Fail Input to Monitor an Additional Power-Supply a)  $V_{IN}$  is Positive b)  $V_{IN}$  is Negative

providing an early power-fail warning so software can conduct an orderly system shutdown. It can also be used to monitor supplies other than VCC1 or VCC2 by setting the power-fail threshold with a resistor-divider, as shown in Figure 3. PFI is the input to the power-fail comparator. The typical comparator delay is 2µs from PFI to PFO. Connect PFI to ground of VCC1 if unused.

# Ensuring a Valid Reset Output Down to VCC = 0

The MAX6715–MAX6729 are guaranteed to operate properly down to  $V_{CC}=0.8V$ . In applications that require valid reset levels down to  $V_{CC}=0$  use a pull-down resistor at  $\overline{RST}$  to ground. The resistor value used is not critical, but it must be large enough not to load the reset output when  $V_{CC}$  is above the reset threshold. For most applications,  $100k\Omega$  is adequate. This configuration does not work for the open-drain outputs of the MAX6715/MAX6717/MAX6719/MAX6721/MAX6723/MAX6725/MAX6727/MAX6728. For push-pull, active-high RST output connect the external resistor as a pullup from RST to  $V_{CC}1$ .

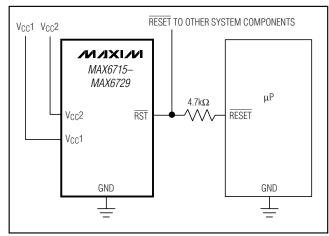


Figure 4. Interfacing to µPs with Bidirectional Reset I/O

### Applications Information

# Interfacing to µPs with Bidirectional Reset Pins

Most microprocessors with bidirectional reset pins can interface directly to open-drain  $\overline{RST}$  output options. Systems simultaneously requiring a push-pull  $\overline{RST}$  output and a bidirectional reset interface can be in logic contention. To prevent contention, connect a  $4.7k\Omega$  resistor between  $\overline{RST}$  and the  $\mu P$ 's reset I/O port as shown in Figure 4.

## Adding Hysteresis to the Power-Fail Comparator

The power-fail comparator has a typical input hysteresis of 3mV. This is sufficient for most applications where a power-supply line is being monitored through an external voltage-divider (see the *Power-Fail Comparator* section). If additional noise margin is desired, connect a resistor between PFO and PFI as shown in Figure 5. Select the values of R1, R2, and R3 so PFI sees VPFI (626mV) when VEXT falls to its power-fail trip point (VFAIL) and when VIN rises to its power-good trip point (VGOOD). The hysteresis window extends between the specified VFAIL and VGOOD thresholds. R3 adds the additional hysteresis by sinking current from the R1/R2 divider network when PFO is logic low and sourcing current into the network when PFO is logic high. R3 is typically an order of magnitude greater than R1 or R2.

The current through R2 should be at least 2.5 $\mu$ A to ensure that the 25nA (max) PFI input current does not significantly shift the trip points. Therefore, R2 < V<sub>PFI</sub>/2.5 $\mu$ A < 248k $\Omega$  for most applications. R3 will provide additional hysteresis for PFO push-pull (V<sub>OH</sub> = V<sub>CC</sub>1) or open-drain (V<sub>OH</sub> = V<sub>PULLUP</sub>) applications.

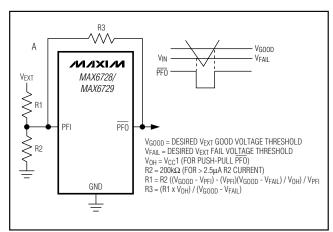


Figure 5. Adding Hysteresis to Power-Fail for Push-Pull PFO

#### **Monitoring an Additional Power Supply**

These  $\mu P$  supervisors can monitor either positive or negative supplies using a resistor voltage-divider to PFI. PFO can be used to generate an interrupt to the  $\mu P$  or cause reset to assert (Figure 3).

#### Monitoring a Negative Voltage

The power-fail comparator can be used to monitor a negative supply voltage using the circuit shown in Figure 3. When the negative supply is valid, PFO is low. When the negative supply voltage drops, PFO goes high. The circuit's accuracy is affected by the PFI threshold tolerance, VCC, R1, and R2.

#### **Negative-Going Vcc Transients**

The MAX6715-MAX6729 supervisors are relatively immune to short-duration negative-going VCC transients (glitches). It is usually undesirable to reset the µP when VCC experiences only small glitches. The Typical Operating Characteristics show Maximum Transient Duration vs. Reset Threshold Overdrive, for which reset pulses are not generated. The graph was produced using negative-going V<sub>CC</sub> pulses, starting above V<sub>TH</sub> and ending below the reset threshold by the magnitude indicated (reset threshold overdrive). The graph shows the maximum pulse width that a negative-going VCC transient may typically have without causing a reset pulse to be issued. As the amplitude of the transient increases (i.e., goes farther below the reset threshold). the maximum allowable pulse width decreases. A 0.1µF bypass capacitor mounted close to the VCC pin provides additional transient immunity.

#### **Watchdog Software Considerations**

Setting and resetting the watchdog input at different points in the program, rather than "pulsing" the watchdog input high-low-high or low-high-low, helps the

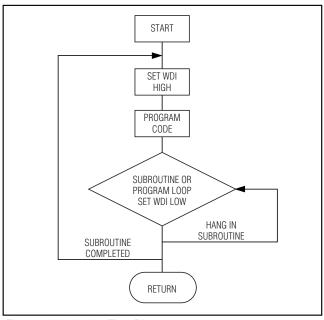


Figure 6. Watchdog Flow Diagram

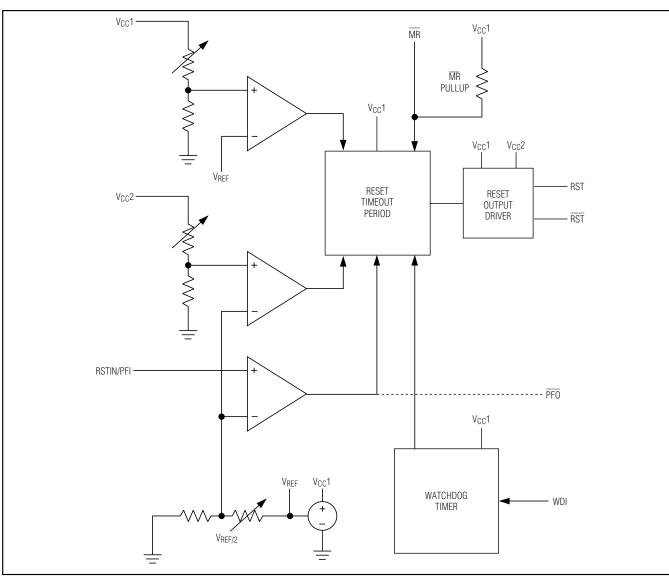
watchdog timer to closely monitor software execution. This technique avoids a "stuck" loop where the watchdog timer continues to be reset within the loop, keeping the watchdog from timing out. Figure 6 shows an example flow diagram where the I/O driving the watchdog input is set high at the beginning of the program, set low at the beginning of every subroutine or loop, then set high again when the program returns to the beginning. If the program should "hang" in any subroutine, the I/O is continually set low and the watchdog timer is allowed to time out, causing a reset or interrupt to be issued.

**Chip Information** 

**TRANSISTOR COUNT: 1072** 

PROCESS: BICMOS

### **Functional Diagram**



#### **Selector Guide**

PART NUMBER	NUMBER OF VOLTAGE MONITORS	OPEN- DRAIN RESET	OPEN- DRAIN RESET	PUSH- PULL RESET	PUSH- PULL RESET	MANUAL RESET	WATCH- DOG INPUT	POWER- FAIL INPUT/ OUTPUT
MAX6715	2	2	_	_	_	√	_	_
MAX6716	2	_	_	2	_	√	_	_
MAX6717	2	1	_	_	_	√	_	_
MAX6718	2	_	_	1	_	√	_	_
MAX6719	3	1	_	_	_	√	_	_
MAX6720	3	_	_	1	_	√	_	_
MAX6721	2	1	_	_	_	√	$\sqrt{}$	_
MAX6722	2	_	_	1	_	√	$\sqrt{}$	_
MAX6723	3	1	_	_	_	_	$\sqrt{}$	_
MAX6724	3	_	_	1	_	_	$\sqrt{}$	_
MAX6725	3	1	1	_	_	√	$\sqrt{}$	_
MAX6726	3	_	_	1	1	√	√	_
MAX6727	3	2	_	_	_	√	√	_
MAX6728	3	1	_	_	_	√	√	√ (open drain)
MAX6729	3	_	_	1	_	√	√	√ (push-pull)

### Ordering Information (continued)

PART	TEMP RANGE	PIN-PACKAGE
MAX6721UTDT	-40°C to +85°C	6 SOT23-6
MAX6722UTDT	-40°C to +85°C	6 SOT23-6
MAX6723UTDT	-40°C to +85°C	6 SOT23-6
MAX6724UTDT	-40°C to +85°C	6 SOT23-6
MAX6725KADT	-40°C to +85°C	8 SOT23-8
MAX6726KADT	-40°C to +85°C	8 SOT23-8
MAX6727KADT	-40°C to +85°C	8 SOT23-8
MAX6728KADT	-40°C to +85°C	8 SOT23-8
MAX6729KADT	-40°C to +85°C	8 SOT23-8

**Note:** The first "\_\_" are placeholders for the threshold voltage levels of the devices. Desired threshold levels are set by the part number suffix found in the Reset Voltage Threshold Suffix Guide. The "\_" after the D is a placeholder for the reset timeout delay time. Desired delay time is set using the timeout period suffix found in the Reset Timeout Period Suffix Guide. For example the MAX6716UTLTD3-T is a dual-voltage supervisor V<sub>TH</sub>1 = 4.625V, V<sub>TH</sub>2 = 3.075V, and 210ms (typ) timeout period.

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

Table 1. Reset Voltage Threshold Suffix Guide\*\*

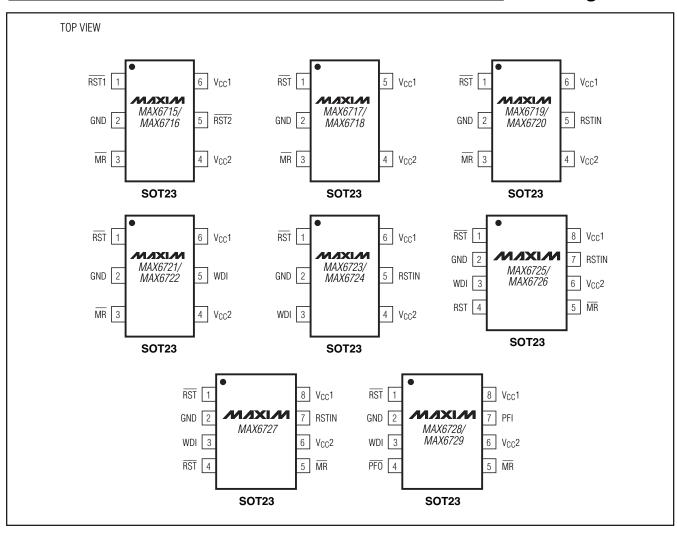
PART NUMBER SUFFIX ()	V <sub>CC</sub> 1 NOMINAL VOLTAGE THRESHOLD (V)	V <sub>CC</sub> 2 NOMINAL VOLTAGE THRESHOLD (V)
LT	4.625	3.075
MS	4.375	2.925
MR	4.375	2.625
TZ	3.075	2.313
SY	2.925	2.188
RY	2.625	2.188
TW	3.075	1.665
sv	2.925	1.575
RV	2.625	1.575
TI	3.075	1.388
SH	2.925	1.313
RH	2.625	1.313
TG	3.075	1.110
SF	2.925	1.050
RF	2.625	1.050
TE	3.075	0.833
SD	2.925	0.788
RD	2.625	0.788
ZW	2.313	1.665
YV	2.188	1.575
ZI	2.313	1.388
YH	2.188	1.313
ZG	2.313	1.110
YF	2.188	1.050
ZE	2.313	0.833
YD	2.188	0.788
WI	1.665	1.388
VH	1.575	1.313
WG	1.665	1.110
VF	1.575	1.050
WE	1.665	0.833
VD	1.575	0.788

<sup>\*\*</sup>Standard versions are shown in bold and are available in a D3 timeout option only. Standard versions require 2,500 piece order increments and are typically held in sample stock. There is a 10,000 order increment on nonstandard versions. Other threshold voltages may be available, contact factory for availability.

**Table 2. Reset Timeout Period Suffix Guide** 

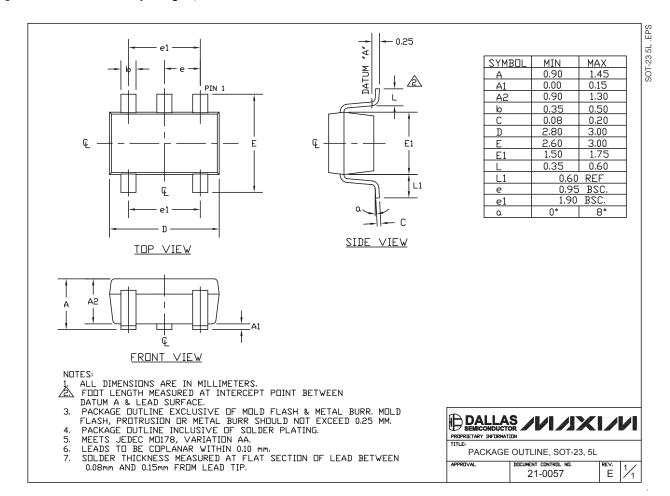
TIMEOUT	ACTIVE TIMEOUT PERIOD		
PERIOD SUFFIX	MIN [ms]	MAX [ms]	
D1	1.1	2.2	
D2	8.8	17.6	
D3	140	280	
D5	280	560	
D6	560	1120	
D4	1120	2240	

### **Pin Configurations**



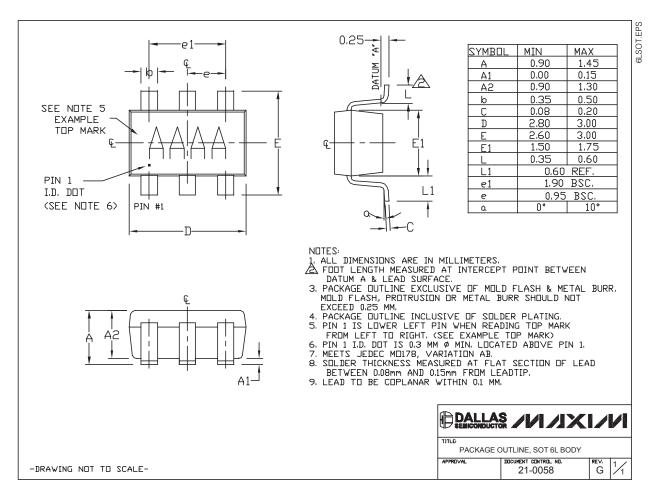
### **Package Information**

(The package drawing(s) in this data sheet may not reflect the most current specifications. For the latest package outline information go to <a href="https://www.maxim-ic.com/packages">www.maxim-ic.com/packages</a>.)



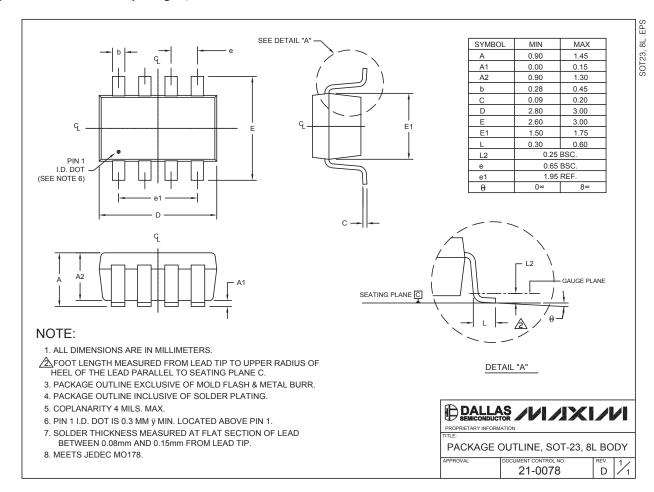
### Package Information (continued)

(The package drawing(s) in this data sheet may not reflect the most current specifications. For the latest package outline information go to <a href="https://www.maxim-ic.com/packages">www.maxim-ic.com/packages</a>.)



### **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 <a href="https://www.maxim-ic.com/packages">www.maxim-ic.com/packages</a>.)



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### **MAX6719**

**APPNOTES** 

#### **Part Number Table**

#### Notes:

- 1. See the MAX6719 QuickView Data Sheet for further information on this product family or download the MAX6719 full data sheet (PDF, 720kB).
- 2. Other options and links for purchasing parts are listed at: http://www.maxim-ic.com/sales.

DESIGN

- 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

Part Number	Free Sample	Buy Direct	Package: TYPE PINS SIZE  DRAWING CODE/VAR *	Temp	RoHS/Lead-Free? Materials Analysis
MAX6719UTRYD5	Sample	Buy		-40°C to +85°C	RoHS/Lead-Free: No
MAX6719UTSHD2	Sample	Buy		-40°C to +85°C	RoHS/Lead-Free: No
MAX6719UTSHD4	Sample	Buy		-40°C to +85°C	RoHS/Lead-Free: No
MAX6719UTSHD5	Sample	Buy		-40°C to +85°C	RoHS/Lead-Free: No
MAX6719UTSHD6	Sample	Buy		-40°C to +85°C	RoHS/Lead-Free: No
MAX6719UTSVD1	Sample	Buy		-40°C to +85°C	RoHS/Lead-Free: No

MAX6719UTSVD2	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTSVD4	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
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MAX6719UTSFD3	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
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MAX6719UTSVD6	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
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MAX6719UTVFD3	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTVFD2	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTVFD1	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTTZD1	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTTZD2	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTTZD4	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTTZD5	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTVDD1	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTVDD2	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTVDD4	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTVDD6	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No

MAX6719UTVHD6	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTWED1	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTWID3	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTWID1	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTWGD6	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTWGD5	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTWGD4	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTYDD4	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTWID4	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTWGD2	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTWID5	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTWED2	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTWGD1	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTWED3	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTWID2		-40°C to +85°C RoHS/Lead-Free: No

	Sample Buy	
MAX6719UTWED4	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTWED5	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTWED6	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTZWD1	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTZWD1+	Sample Buy	-40°C to +85°C RoHS/Lead-Free: Yes
MAX6719UTTZD6	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTTID3	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTSYD2	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTSDD1	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTRVD1+	Sample Buy	-40°C to +85°C RoHS/Lead-Free: Yes
MAX6719UTRVD1	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTTED3	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTSFD1-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTZWD2-T	Buy	-40°C to +85°C RoHS/Lead-Free: No

MAX6719UTZWD4-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTZWD5-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTZWD6-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTRVD1+T	Buy	-40°C to +85°C RoHS/Lead-Free: Yes
MAX6719UTZWD1+T	Buy	-40°C to +85°C RoHS/Lead-Free: Yes
MAX6719UTYVD1-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
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MAX6719UTZID6-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTTID4-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTTWD6-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTTZD1-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTTZD2-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTRHD4-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTTZD4-T	Buy	-40°C to +85°C RoHS/Lead-Free: No

MAX6719UTTZD5-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTRHD3-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTTZD6-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTTWD5-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTRHD5-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTRHD6-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
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MAX6719UTTWD1-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTTWD2-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTTWD3-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTRVD2-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTRVD1-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTTWD4-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTRHD2-T		-40°C to +85°C RoHS/Lead-Free: No

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MAX6719UTVDD2-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTRHD1-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTVFD5-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTVFD6-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTRFD2-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTSYD4-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTVHD1-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTVHD2-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTRFD1-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTVHD4-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTRFD3-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTRFD4-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTVFD4-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTVDD4-T	Buy	-40°C to +85°C RoHS/Lead-Free: No

MAX6719UTVDD5-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
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MAX6719UTRFD5-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTVDD6-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
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MAX6719UTTID3-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTSDD6-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTSHD5-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTSHD6-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTRYD6-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTRYD5-T	Buy	-40°C to +85°C RoHS/Lead-Free: No

MAX6719UTSVD1-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTSVD2-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTRYD4-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTSVD4-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTSHD4-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
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MAX6719UTSFD4-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTSFD5-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTSFD6-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTSHD1-T		-40°C to +85°C RoHS/Lead-Free: No

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MAX6719UTSVD5-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTSVD6-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTSYD1-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTTED6-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTRVD5-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTTGD2-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTRVD4-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTTGD4-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTTGD5-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTTGD6-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTTID1-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTTED5-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTRVD6-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
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MAX6719UTSYD2-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
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MAX6719UTTED3-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
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MAX6719UTVHD6-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTZID4-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTZGD4-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTRDD3-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTZGD2-T	Buy	-40°C to +85°C RoHS/Lead-Free: No

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MAX6719UTYHD6-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTYHD5-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTMSD3-T		-40°C to +85°C RoHS/Lead-Free: No

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MAX6719UTMSD1-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTZID3-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTZID2-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTZID1-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTZGD6-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTZID5-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTVDD1-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTLTD2-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTLTD4-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTLTD5-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTLTD6-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTMRD1-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
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MAX6719UTMRD5-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTMRD6-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTZGD5-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTYHD4-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTYHD2-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTWED1-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTWGD2-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTRDD1-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTWGD4-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTWGD5-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTWGD6-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTWID1-T	Buy	-40°C to +85°C RoHS/Lead-Free: No

MAX6719UTMSD6-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTMSD5-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTWGD1-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTWED6-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTWED2-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTRDD6-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTRDD5-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
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MAX6719UTWID2-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTWID3-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTWID4-T		-40°C to +85°C RoHS/Lead-Free: No

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MAX6719UTYFD3-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTYFD2-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTYFD1-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTYDD6-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
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MAX6719UTYFD5-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTYFD6-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTYHD1-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6719UTWID5-T	Buy	-40°C to +85°C RoHS/Lead-Free: No

MAX6719UTYDD2-T	Buy		-40°C to +85°C	RoHS/Lead-Free: No
MAX6719UTSYD2+T	Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkqcode/variation: U6+1*	-40°C to +85°C	RoHS/Lead-Free: Yes Materials Analysis
MAX6719UTTED3+	Sample Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6+1*	-40°C to +85°C	RoHS/Lead-Free: Yes  Materials Analysis
MAX6719UTTED3+T	Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6+1*	-40°C to +85°C	RoHS/Lead-Free: Yes  Materials Analysis
MAX6719UTSYD2+	Sample Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF)	-40°C to +85°C	RoHS/Lead-Free: Yes
MAX6719UTTZD3+T	Buy	Use pkgcode/variation: U6+1* SOT-23;6 pin; Dwg: 21-0058I (PDF)	-40°C to +85°C	Materials Analysis RoHS/Lead-Free: Yes
MAX6719UTTZD3+	Sample Buy	Use pkgcode/variation: U6+1* SOT-23;6 pin; Dwg: 21-0058I (PDF)	-40°C to +85°C	Materials Analysis RoHS/Lead-Free: Yes
MAX6719UTYDD3	Sample Buy	Use pkgcode/variation: U6+1* SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6-1*	-40°C to +85°C	Materials Analysis RoHS/Lead-Free: No Materials Analysis
MAX6719UTYDD3+	Sample Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkqcode/variation: U6+1*	-40°C to +85°C	RoHS/Lead-Free: Yes  Materials Analysis
MAX6719UTZGD3	Sample Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6-1*	-40°C to +85°C	RoHS/Lead-Free: No Materials Analysis
MAX6719UTYHD3	Sample Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6-1*	-40°C to +85°C	RoHS/Lead-Free: No Materials Analysis
MAX6719UTYHD3+	Sample Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkqcode/variation: U6+1*	-40°C to +85°C	RoHS/Lead-Free: Yes Materials Analysis
MAX6719UTZGD3+	Sample Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF)	-40°C to +85°C	RoHS/Lead-Free: Yes
MAX6719UTZWD3+	Sample Buy	Use pkgcode/variation: U6+1* SOT-23;6 pin; Dwg: 21-0058I (PDF)	-40°C to +85°C	Materials Analysis RoHS/Lead-Free: Yes
		Use pkgcode/variation: U6+1*		Materials Analysis

MAX6719UTZWD3	Sample Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6-1*	-40°C to +85°C	RoHS/Lead-Free: No Materials Analysis
MAX6719UTLTD1+	Sample Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6+1*	-40°C to +85°C	RoHS/Lead-Free: Yes  Materials Analysis
MAX6719UTTGD1+	Sample Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF)	-40°C to +85°C	RoHS/Lead-Free: Yes
MAX6719UTSYD5	Sample Buy	Use pkgcode/variation: U6+1* SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6-1*	-40°C to +85°C	Materials Analysis RoHS/Lead-Free: No Materials Analysis
MAX6719UTSYD3	Sample Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6-1*	-40°C to +85°C	RoHS/Lead-Free: No Materials Analysis
MAX6719UTSYD3+	Sample Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6+1*	-40°C to +85°C	RoHS/Lead-Free: Yes  Materials Analysis
MAX6719UTLTD3+	Sample Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF)	-40°C to +85°C	RoHS/Lead-Free: Yes
MAX6719UTSVD3	Sample Buy	Use pkgcode/variation: U6+1* SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6-1*	-40°C to +85°C	Materials Analysis RoHS/Lead-Free: No Materials Analysis
MAX6719UTSVD3+	Sample Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6+1*	-40°C to +85°C	RoHS/Lead-Free: Yes Materials Analysis
MAX6719UTSHD3	Sample Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6-1*	-40°C to +85°C	RoHS/Lead-Free: No Materials Analysis
MAX6719UTSHD3+	Sample Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6+1*	-40°C to +85°C	RoHS/Lead-Free: Yes Materials Analysis
MAX6719UTSGD3	Sample Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6-1*	-40°C to +85°C	RoHS/Lead-Free: No Materials Analysis
MAX6719UTSDD3	Sample Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6-1*	-40°C to +85°C	RoHS/Lead-Free: No Materials Analysis
MAX6719UTSDD3+	Sample Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6+1*	-40°C to +85°C	RoHS/Lead-Free: Yes Materials Analysis
MAX6719UTSDD1+		SOT-23;6 pin;	-40°C to +85°C	RoHS/Lead-Free: Yes

	Buy	Dwg: 21-0058I (PDF) Use pkgcode/variation: U6+1*		Materials Analysis
MAX6719UTRVD3	Sample Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6-1*	-40°C to +85°C	RoHS/Lead-Free: No Materials Analysis
MAX6719UTRVD3+	Sample Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF)	-40°C to +85°C	RoHS/Lead-Free: Yes
		Use pkgcode/variation: U6+1*		Materials Analysis
MAX6719UTLTD3	Sample Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6-1*	-40°C to +85°C	RoHS/Lead-Free: No Materials Analysis
MAX6719UTLTD1	Sample Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6-1*	-40°C to +85°C	RoHS/Lead-Free: No Materials Analysis
MAX6719UTTGD1	Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6-1*	-40°C to +85°C	RoHS/Lead-Free: No Materials Analysis
MAX6719UTTGD3+	Sample Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF)	-40°C to +85°C	RoHS/Lead-Free: Yes
		Use pkgcode/variation: U6+1*		Materials Analysis
MAX6719UTVHD3	Sample Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6-1*	-40°C to +85°C	RoHS/Lead-Free: No Materials Analysis
MAX6719UTSGD3+	Sample Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6+1*	-40°C to +85°C	RoHS/Lead-Free: Yes  Materials Analysis
MANGE A OUT (DD2		, ,	40061 .0506	•
MAX6719UTVDD3	Sample Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6-1*	-40°C to +85°C	RoHS/Lead-Free: No Materials Analysis
MAX6719UTVDD3+	Sample Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF)	-40°C to +85°C	RoHS/Lead-Free: Yes
		Use pkgcode/variation: U6+1*		Materials Analysis
MAX6719UTTZD3	Sample Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6-1*	-40°C to +85°C	RoHS/Lead-Free: No Materials Analysis
MAX6719UTVHD3+	Sample Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6+1*	-40°C to +85°C	RoHS/Lead-Free: Yes  Materials Analysis
MAV6710UTTCD2		, ,	400C to 10E0C	RoHS/Lead-Free: No
MAX6719UTTGD3	Sample Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6-1*	-40°C (0 +85°C	Materials Analysis
MAX6719UTWGD3+	Sample Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF)	-40°C to +85°C	RoHS/Lead-Free: Yes

		Use pkgcode/variation: U6+1*		Materials Analysis
MAX6719UTWGD3	Sample Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6-1*	-40°C to +85°C	RoHS/Lead-Free: No Materials Analysis
MAX6719UTVDD3+T	Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF)	-40°C to +85°C	RoHS/Lead-Free: Yes
		Use pkgcode/variation: U6+1*		Materials Analysis
MAX6719UTLTD1+T	Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6+1*	-40°C to +85°C	RoHS/Lead-Free: Yes  Materials Analysis
MAYGZ10UTCCD2 T			400C to 10E0C	,
MAX6719UTSGD3-T	Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6-1*	-40°C to +85°C	RoHS/Lead-Free: No Materials Analysis
MAX6719UTYDD3+T	Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF)	-40°C to +85°C	RoHS/Lead-Free: Yes
		Use pkgcode/variation: U6+1*		Materials Analysis
MAX6719UTVHD3+T	Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF)	-40°C to +85°C	RoHS/Lead-Free: Yes
		Use pkgcode/variation: U6+1*		Materials Analysis
MAX6719UTWGD3+T	Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF)	-40°C to +85°C	RoHS/Lead-Free: Yes
		Use pkgcode/variation: U6+1*		Materials Analysis
MAX6719UTZWD3-T	Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6-1*	-40°C to +85°C	RoHS/Lead-Free: No Materials Analysis
MAX6719UTTGD3+T	Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF)	-40°C to +85°C	RoHS/Lead-Free: Yes
		Use pkgcode/variation: U6+1*		Materials Analysis
MAX6719UTLTD3+T	Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF)	-40°C to +85°C	RoHS/Lead-Free: Yes
		Use pkgcode/variation: U6+1*		Materials Analysis
MAX6719UTSHD3+T	Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF)	-40°C to +85°C	RoHS/Lead-Free: Yes
		Use pkgcode/variation: U6+1*		Materials Analysis
MAX6719UTLTD3-T	Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6-1*	-40°C to +85°C	RoHS/Lead-Free: No Materials Analysis
MAX6719UTSGD3+T	Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6+1*	-40°C to +85°C	RoHS/Lead-Free: Yes  Materials Analysis
MAX6719UTSDD3+T		SOT-23;6 pin;	-10°C to ±85°C	RoHS/Lead-Free: Yes
11AA0/19013DD3+1	Buy	Dwg: 21-0058I (PDF) Use pkgcode/variation: U6+1*	70 C to 703 C	Materials Analysis

MAX6719UTSVD3+T	Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6+1*	-40°C to +85°C	RoHS/Lead-Free: Yes Materials Analysis
MAX6719UTSDD1+T	Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6+1*	-40°C to +85°C	RoHS/Lead-Free: Yes
MAX6719UTRVD3+T	Buy	ose prycode/variation: 06+1*	-40°C to +85°C	Materials Analysis RoHS/Lead-Free: Yes
MAX6719UTSYD3+T	Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6+1*	-40°C to +85°C	RoHS/Lead-Free: Yes Materials Analysis
MAX6719UTTGD1+T	Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6+1*	-40°C to +85°C	RoHS/Lead-Free: Yes  Materials Analysis
MAX6719UTYHD3+T	Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6+1*	-40°C to +85°C	RoHS/Lead-Free: Yes  Materials Analysis
MAX6719UTZGD3+T	Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6+1*	-40°C to +85°C	RoHS/Lead-Free: Yes  Materials Analysis
MAX6719UTSHD3-T	Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6-1*	-40°C to +85°C	RoHS/Lead-Free: No Materials Analysis
MAX6719UTSDD1-T	Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6-1*	-40°C to +85°C	RoHS/Lead-Free: No Materials Analysis
MAX6719UTSVD3-T	Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6-1*	-40°C to +85°C	RoHS/Lead-Free: No Materials Analysis
MAX6719UTSYD3-T	Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6-1*	-40°C to +85°C	RoHS/Lead-Free: No Materials Analysis
MAX6719UTSYD5-T	Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6-1*	-40°C to +85°C	RoHS/Lead-Free: No Materials Analysis
MAX6719UTTGD1-T	Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6-1*	-40°C to +85°C	RoHS/Lead-Free: No Materials Analysis
MAX6719UTTGD3-T	Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6-1*	-40°C to +85°C	RoHS/Lead-Free: No Materials Analysis
MAX6719UTRVD3-T		SOT-23;6 pin;	-40°C to +85°C	RoHS/Lead-Free: No

	Buy	Dwg: 21-0058I (PDF) Use pkgcode/variation: U6-1*		Materials Analysis
MAX6719UTTZD3-T	Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6-1*	-40°C to +85°C	RoHS/Lead-Free: No Materials Analysis
MAX6719UTVDD3-T	Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6-1*	-40°C to +85°C	RoHS/Lead-Free: No Materials Analysis
MAX6719UTVHD3-T	Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6-1*	-40°C to +85°C	RoHS/Lead-Free: No Materials Analysis
MAX6719UTLTD1-T	Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6-1*	-40°C to +85°C	RoHS/Lead-Free: No Materials Analysis
MAX6719UTZGD3-T	Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6-1*	-40°C to +85°C	RoHS/Lead-Free: No Materials Analysis
MAX6719UTWGD3-T	Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6-1*	-40°C to +85°C	RoHS/Lead-Free: No Materials Analysis
MAX6719UTYDD3-T	Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6-1*	-40°C to +85°C	RoHS/Lead-Free: No Materials Analysis
MAX6719UTYHD3-T	Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6-1*	-40°C to +85°C	RoHS/Lead-Free: No Materials Analysis
MAX6719UTZWD3+T	Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6+1*	-40°C to +85°C	RoHS/Lead-Free: Yes Materials Analysis
MAX6719UTSDD3-T	Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6-1*	-40°C to +85°C	RoHS/Lead-Free: No Materials Analysis

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## **MAX6720**

**APPNOTES** 

## **Part Number Table**

## Notes:

- 1. See the MAX6720 QuickView Data Sheet for further information on this product family or download the MAX6720 full data sheet (PDF, 720kB).
- 2. Other options and links for purchasing parts are listed at: http://www.maxim-ic.com/sales.

DESIGN

- 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

Part Number	Free Sample	Buy Direct	Package: TYPE PINS SIZE DRAWING CODE/VAR *	Temp	RoHS/Lead-Free? Materials Analysis
MAX6720UTRYD5	Sample	Buy		-40°C to +85°C	RoHS/Lead-Free: No
MAX6720UTSHD1	Sample	Buy		-40°C to +85°C	RoHS/Lead-Free: No
MAX6720UTSHD2	Sample	Buy		-40°C to +85°C	RoHS/Lead-Free: No
MAX6720UTSHD4	Sample	Buy		-40°C to +85°C	RoHS/Lead-Free: No
MAX6720UTSHD5	Sample	Buy		-40°C to +85°C	RoHS/Lead-Free: No
MAX6720UTSHD6	Sample	Buy		-40°C to +85°C	RoHS/Lead-Free: No

MAX6720UTSVD1	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTSVD2	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTSVD4	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTSFD6	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTSFD5	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTSFD4	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTRYD6	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTSDD1	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTSDD4	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTSDD5	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTSDD6	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTSFD1	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTSFD2	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTSFD3	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No

MAX6720UTSVD5	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTSVD6	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTSYD1	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTTGD2	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTTGD4	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTTGD5	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTTGD6	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTTID1	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTTID2	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTTID4	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTTID5	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTTGD1	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTTED6	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTTED5	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTSYD2		-40°C to +85°C RoHS/Lead-Free: No

	Sample Buy	
MAX6720UTSYD4	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTSYD5	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTSYD6	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTTED1	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTTED2	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTTED3	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTTED4	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTTID6	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTRYD4	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTLTD1	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTMSD2	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTMSD3	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTMSD4	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTMSD5	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No

MAX6720UTMSD6	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTRDD1	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTRDD2	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTRDD3	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTMSD1	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTMRD6	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTMRD5	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTLTD2	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTLTD4	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTLTD5	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTLTD6	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTMRD1	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTMRD2	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTMRD3	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No

MAX6720UTMRD4	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTRDD4	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTRDD5	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTRDD6	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTRHD6	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTRVD1	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTRVD2	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTRVD4	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTRVD5	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTRVD6	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTRYD1	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTRYD2	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTRHD5	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTRHD4	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTRHD3		-40°C to +85°C RoHS/Lead-Free: No

	Sample Buy	
MAX6720UTRFD1	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTRFD2	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTRFD3	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTRFD4	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTRFD5	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTRFD6	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTRHD1	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTRHD2	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTRYD3	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTTWD1	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTYDD2	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTYHD4	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTYHD5	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTYHD6	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No

MAX6720UTYVD1	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTYVD2	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTYVD3	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTYVD4	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTYVD5	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTYHD2	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTYHD1	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTYFD6	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTYDD4	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTYDD5	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTYDD6	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTYFD1	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTYFD2	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTYFD3	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No

MAX6720UTYFD4	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTYFD5	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTYVD6	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTZED1	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTZED2	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTZID3	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTZID4	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTZID5	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTZID6	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTZWD1	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTZWD2	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTZWD4	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTZWD5	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTZID2	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTZID1		-40°C to +85°C RoHS/Lead-Free: No

	Sample Buy	
MAX6720UTZGD6	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTZED3	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTZED4	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTZED5	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTZED6	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTZGD1	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTZGD2	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTZGD4	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTZGD5	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTZWD6	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTWID6	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTTWD2	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTVDD2	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTVDD4	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No

MAX6720UTVDD5	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTVDD6	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTVFD1	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTVFD2	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTVFD3	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTVFD4	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTVDD1	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTTZD6	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTTZD5	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTTWD3	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTTWD4	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTTWD5	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTTWD6	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTTZD1	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No

MAX6720UTTZD2	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTTZD3	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTTZD4	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTVFD5	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTVFD6	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTVHD1	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTWGD2	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTWGD4	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTWGD5	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTWGD6	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTWID1	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTWID2	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTWID3	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTWID4	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTWGD1		-40°C to +85°C RoHS/Lead-Free: No

	Sample Buy	
MAX6720UTWED6	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTWED5	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTVHD2	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTVHD4	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTVHD5	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTVHD6	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
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MAX6720UTWED3	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTWED4	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTWID5	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTSDD2	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTYDD1	Sample Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTTID3+	Sample Buy	-40°C to +85°C RoHS/Lead-Free: Yes

MAX6720UTSFD2-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTSVD6-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTSYD1-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTSYD2-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTSYD4-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
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MAX6720UTTWD6-T		-40°C to +85°C RoHS/Lead-Free: No

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MAX6720UTYFD4-T		-40°C to +85°C RoHS/Lead-Free: No

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MAX6720UTWID4-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTWID5-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTWID6-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
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MAX6720UTZWD1-T	Buy	-40°C to +85°C RoHS/Lead-Free: No

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MAX6720UTVFD5-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTVFD4-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTWED3-T		-40°C to +85°C RoHS/Lead-Free: No

	Buy	
MAX6720UTYHD1-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTVHD1-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
MAX6720UTVHD2-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
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MAX6720UTVFD2-T	Buy	-40°C to +85°C RoHS/Lead-Free: No
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MAX6720UTWED4-T	Buy	-40°C to +85°C RoHS/Lead-Free: No

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MAX6720UTVFD6-T	Buy		-40°C to +85°C	RoHS/Lead-Free: No
MAX6720UTWGD5-T	Buy		-40°C to +85°C	RoHS/Lead-Free: No
MAX6720UTVFD1-T	Buy		-40°C to +85°C	RoHS/Lead-Free: No
MAX6720UTVHD3	Sample Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6-1*	-40°C to +85°C	RoHS/Lead-Free: No Materials Analysis
MAX6720UTYHD3+	Sample Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6+1*	-40°C to +85°C	RoHS/Lead-Free: Yes Materials Analysis
MAX6720UTZWD3+	Sample Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6+1*	-40°C to +85°C	RoHS/Lead-Free: Yes Materials Analysis
MAX6720UTYHD3	Sample Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6-1*	-40°C to +85°C	RoHS/Lead-Free: No Materials Analysis
MAX6720UTZWD3	Sample Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6-1*	-40°C to +85°C	RoHS/Lead-Free: No Materials Analysis
MAX6720UTLTD3+	Sample Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6+1*	-40°C to +85°C	RoHS/Lead-Free: Yes Materials Analysis
MAX6720UTSVD3+	Sample Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6+1*	-40°C to +85°C	RoHS/Lead-Free: Yes  Materials Analysis
MAX6720UTLTD3	Sample Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6-1*	-40°C to +85°C	RoHS/Lead-Free: No Materials Analysis
MAX6720UTSYD3+	Sample Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF)	-40°C to +85°C	RoHS/Lead-Free: Yes
		Use pkgcode/variation: U6+1*		Materials Analysis

MAX6720UTSHD3	Sample Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6-1*	-40°C to +85°C	RoHS/Lead-Free: No Materials Analysis
MAX6720UTSYD3	Sample Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6-1*	-40°C to +85°C	RoHS/Lead-Free: No Materials Analysis
MAX6720UTSHD3+	Sample Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF)	-40°C to +85°C	RoHS/Lead-Free: Yes
		Use pkgcode/variation: U6+1*		Materials Analysis
MAX6720UTZGD3+	Sample Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkqcode/variation: U6+1*	-40°C to +85°C	RoHS/Lead-Free: Yes  Materials Analysis
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MAX6720UTZGD3	Sample Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6-1*	-40°C to +85°C	RoHS/Lead-Free: No Materials Analysis
MAX6720UTTGD3+	Sample Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF)	-40°C to +85°C	RoHS/Lead-Free: Yes
		Use pkgcode/variation: U6+1*		Materials Analysis
MAX6720UTWGD3	Sample Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6-1*	-40°C to +85°C	RoHS/Lead-Free: No Materials Analysis
MAX6720UTRVD3	Sample Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6-1*	-40°C to +85°C	RoHS/Lead-Free: No Materials Analysis
MAX6720UTRVD3+	Sample Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6+1*	-40°C to +85°C	RoHS/Lead-Free: Yes  Materials Analysis
MAYCZOUTCDDO		, ,	400C to 10E0C	•
MAX6720UTSDD3+	Sample	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkqcode/variation: U6+1*	-40°C to +85°C	RoHS/Lead-Free: Yes  Materials Analysis
MAX6720UTSVD3	Sample Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6-1*	-40°C to +85°C	RoHS/Lead-Free: No Materials Analysis
MAX6720UTSDD3	Sample Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6-1*	-40°C to +85°C	RoHS/Lead-Free: No Materials Analysis
MAX6720UTTID3	Sample Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6-1*	-40°C to +85°C	RoHS/Lead-Free: No Materials Analysis
MAX6720UTVDD3+	Sample Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF)	-40°C to +85°C	RoHS/Lead-Free: Yes
		Use pkgcode/variation: U6+1*		Materials Analysis
MAX6720UTVDD3		SOT-23;6 pin;	-40°C to +85°C	RoHS/Lead-Free: No

	Sample Buy	Dwg: 21-0058I (PDF) Use pkgcode/variation: U6-1*		Materials Analysis
MAX6720UTTGI	Sample Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6-1*	-40°C to +85°C	RoHS/Lead-Free: No Materials Analysis
MAX6720UTYDI	Sample Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6-1*	-40°C to +85°C	RoHS/Lead-Free: No Materials Analysis
MAX6720UTVHI	D3+ Sample Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6+1*	-40°C to +85°C	RoHS/Lead-Free: Yes  Materials Analysis
MAX6720UTWG	SD3+ Sample Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6+1*	-40°C to +85°C	RoHS/Lead-Free: Yes
MAX6720UTYDI	D3+ Sample Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF)	-40°C to +85°C	Materials Analysis RoHS/Lead-Free: Yes
MAX6720UTWG	Buy	Use pkgcode/variation: U6+1* SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6-1*	-40°C to +85°C	Materials Analysis RoHS/Lead-Free: No Materials Analysis
MAX6720UTYHI	D3-T Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6-1*	-40°C to +85°C	RoHS/Lead-Free: No Materials Analysis
MAX6720UTSHI	D3-T Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6-1*	-40°C to +85°C	RoHS/Lead-Free: No Materials Analysis
MAX6720UTYHI	D3+T Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6+1*	-40°C to +85°C	RoHS/Lead-Free: Yes  Materials Analysis
MAX6720UTYDI	D3-T Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6-1*	-40°C to +85°C	RoHS/Lead-Free: No Materials Analysis
MAX6720UTSYI	D3-T Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6-1*	-40°C to +85°C	RoHS/Lead-Free: No Materials Analysis
MAX6720UTVD	D3-T Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6-1*	-40°C to +85°C	RoHS/Lead-Free: No Materials Analysis
MAX6720UTSVI	D3-T Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6-1*	-40°C to +85°C	RoHS/Lead-Free: No Materials Analysis
MAX6720UTLTE	D3-T Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF)	-40°C to +85°C	RoHS/Lead-Free: No Materials Analysis

		Use pkgcode/variation: U6-1*		
MAX6720UTZGD3-T	Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6-1*	-40°C to +85°C	RoHS/Lead-Free: No Materials Analysis
MAX6720UTWGD3+T	Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF)	-40°C to +85°C	RoHS/Lead-Free: Yes
		Use pkgcode/variation: U6+1*		Materials Analysis
MAX6720UTZWD3-T	Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6-1*	-40°C to +85°C	RoHS/Lead-Free: No Materials Analysis
MAX6720UTTGD3-T	Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6-1*	-40°C to +85°C	RoHS/Lead-Free: No Materials Analysis
MAX6720UTVHD3-T	Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6-1*	-40°C to +85°C	RoHS/Lead-Free: No Materials Analysis
MAX6720UTZWD3+T	Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF)	-40°C to +85°C	RoHS/Lead-Free: Yes
		Use pkgcode/variation: U6+1*		Materials Analysis
MAX6720UTZGD3+T	Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6+1*	-40°C to +85°C	RoHS/Lead-Free: Yes  Materials Analysis
MAX6720UTTID3-T	Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6-1*	-40°C to +85°C	RoHS/Lead-Free: No Materials Analysis
MAX6720UTYDD3+T	Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6+1*	-40°C to +85°C	RoHS/Lead-Free: Yes Materials Analysis
MAV6720UT/UD2+T		. 5	400C to 10E0C	,
MAX6720UTVHD3+T	Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6+1*	-40°C t0 +65°C	RoHS/Lead-Free: Yes
MAYGZ20UT/DD2 · T		. 5	40001 .0500	Materials Analysis
MAX6720UTVDD3+T	Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF)	-40°C to +85°C	RoHS/Lead-Free: Yes
		Use pkgcode/variation: U6+1*		Materials Analysis
MAX6720UTTID3+T	Buy		-40°C to +85°C	RoHS/Lead-Free: Yes
MAX6720UTTGD3+T	Buy	SOT-23;6 pin;	-40°C to +85°C	RoHS/Lead-Free: Yes
		Dwg: 21-0058I (PDF) Use pkgcode/variation: U6+1*		Materials Analysis
MAX6720UTSYD3+T	Buy	SOT-23;6 pin;	-40°C to +85°C	RoHS/Lead-Free: Yes
		Dwg: 21-0058I (PDF) Use pkgcode/variation: U6+1*		Materials Analysis

MAX6720UTSVD3+T	Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6+1*	-40°C to +85°C	RoHS/Lead-Free: Yes Materials Analysis
MAX6720UTSHD3+T	Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6+1*	-40°C to +85°C	RoHS/Lead-Free: Yes Materials Analysis
MAX6720UTSDD3+T	Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6+1*	-40°C to +85°C	RoHS/Lead-Free: Yes Materials Analysis
MAX6720UTRVD3+T	Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6+1*	-40°C to +85°C	RoHS/Lead-Free: Yes Materials Analysis
MAX6720UTLTD3+T	Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6+1*	-40°C to +85°C	RoHS/Lead-Free: Yes Materials Analysis
MAX6720UTSDD3-T	Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6-1*	-40°C to +85°C	RoHS/Lead-Free: No Materials Analysis
MAX6720UTRVD3-T	Buy	SOT-23;6 pin; Dwg: 21-0058I (PDF) Use pkgcode/variation: U6-1*	-40°C to +85°C	RoHS/Lead-Free: No Materials Analysis

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