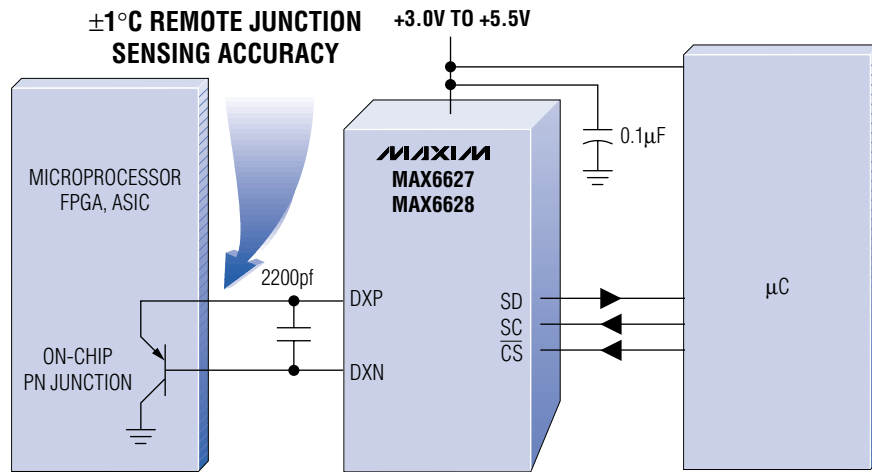


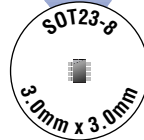
# WORLD'S FIRST REMOTE SPI-COMPATIBLE TEMPERATURE SENSORS

**±1°C Accuracy (0.0625°C Resolution) in a Tiny 8-Pin SOT**

The MAX6627 and MAX6628 report the temperature of a remote PN junction over a 5MHz serial interface. This allows direct temperature monitoring of microprocessors, FPGAs, ASICs, and discrete transistors.



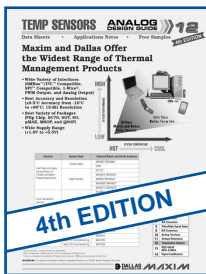
- ◆ ±1°C Accurate ( $0^{\circ}\text{C} \leq T_{RJ} \leq 125^{\circ}\text{C}$ ),  $T_A = +30^{\circ}\text{C}$
- ◆ 12-Bit + Sign, 0.0625°C Resolution



- ◆ Low Power, 30µA (typ) Supply Current
- ◆ Choice of Two Conversion Rates to Optimize Speed/Power Trade-Off

PART	CONVERSION RATE	AVERAGE SUPPLY CURRENT (µA)	ORDERING INFORMATION
MAX6627	0.5sec/conv	200	MAX6627MKA-T
MAX6628	8.0sec/conv	30	MAX6628MKA-T

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