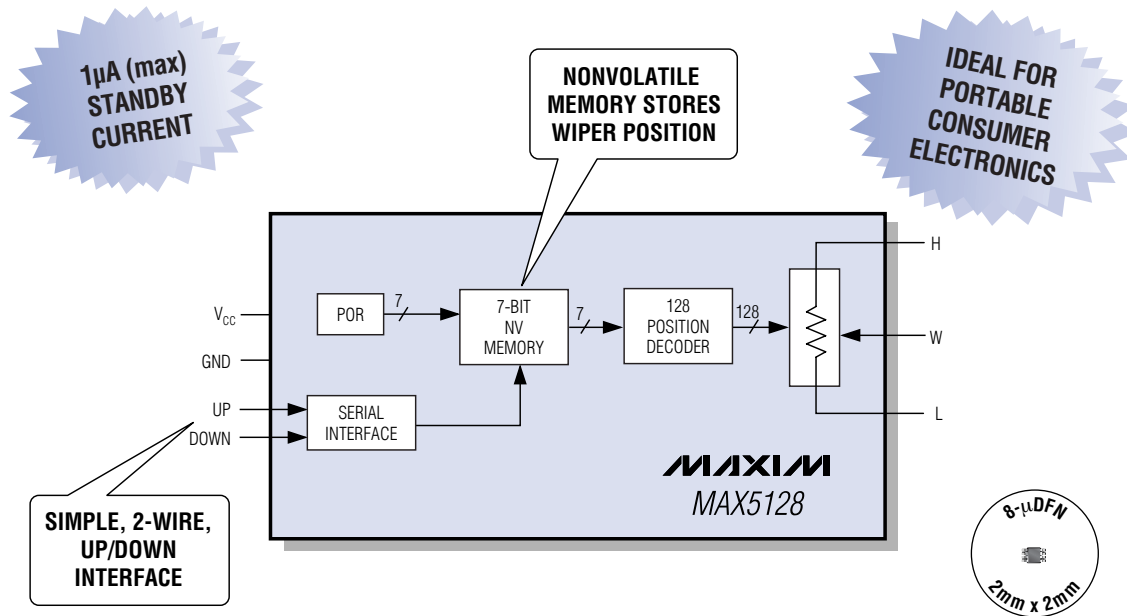


# WORLD'S SMALLEST 128-TAP, NONVOLATILE, UP/DOWN DIGITAL POTENTIOMETER

With an ultra-small, 2mm x 2mm  $\mu$ DFN package, 1 $\mu$ A (max) standby supply current, and simple, 2-wire, up/down interface, the MAX5128 digital pot is ideal for use in portable consumer electronics. The MAX5128 is offered with 20k $\Omega$  end-to-end resistance featuring a 5ppm/ $^{\circ}$ C ratiometric temperature coefficient.



- ◆ Tiny, 2mm x 2mm  $\mu$ DFN Package
- ◆ Wiper Position Stored in Nonvolatile Memory and Recalled at Power-Up
- ◆ 20k $\Omega$  End-to-End Resistance
- ◆ 128 Tap Positions
- ◆ -40 $^{\circ}$ C to +85 $^{\circ}$ C Temperature Range
- ◆ 5ppm/ $^{\circ}$ C Ratiometric Temperature Coefficient
- ◆ 1 $\mu$ A (max) Standby Supply Current
- ◆ +2.7V to +5.25V Single-Supply Operation
- ◆ 80,000 Wiper Store Cycles
- ◆ 50-Year Wiper Data Retention
- ◆ Pricing Starts at \$0.68<sup>†</sup>

<sup>†</sup>1000-up recommended resale. Prices provided are for design guidance and are FOB USA. International prices will differ due to local duties, taxes, and exchange rates. Not all packages are offered in 1k increments, and some may require minimum order quantities.

## MAXIM

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