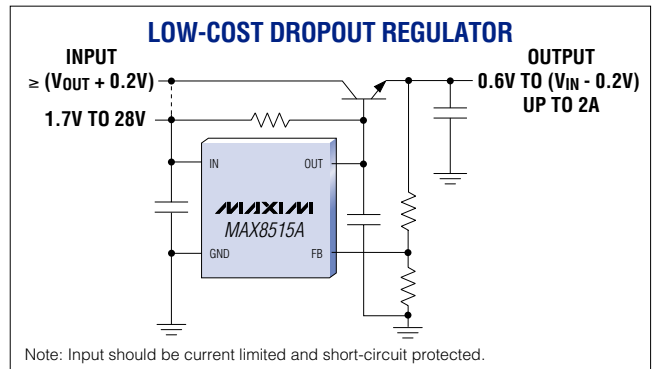
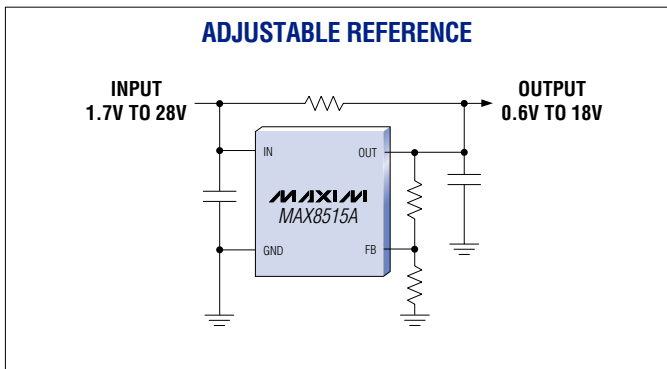
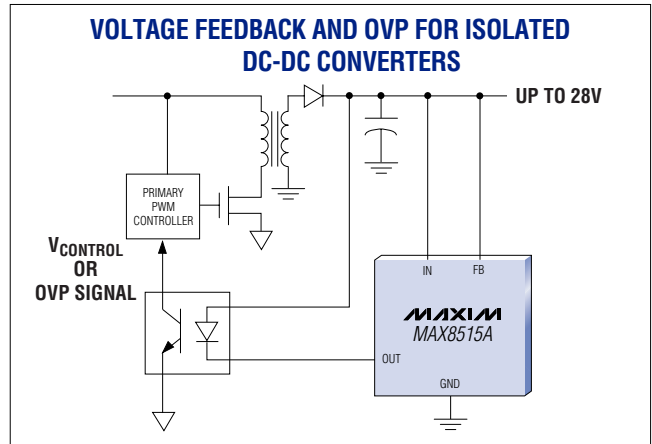
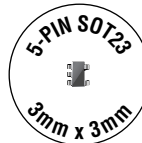
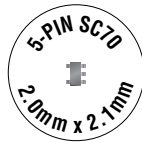


# SMALLEST, 0.5% ACCURATE, 0.6V SHUNT REGULATOR FOR LOW-VOLTAGE ISOLATED DC-DC CONVERTERS

## Ultra-Compact SC70 and SOT23 Packages

The MAX8515A simplifies the voltage feedback and overvoltage protection functions in high-accuracy, sub-1V isolated DC-DC converters. The device's 1.7V to 28V input range allows operation from an unregulated supply. Unlike traditional shunt regulators, the supply voltage and feedback of the MAX8515A are independent of the shunt-regulator stage, allowing it to sink currents even at very low output voltages. The MAX8515A can also be used as a low-cost, low-dropout linear regulator or an adjustable shunt reference.

- ◆ 0.6V,  $\pm 0.5\%$  Initial Accuracy
- ◆ 0.6V,  $\pm 1\%$  Accuracy (-40°C to +85°C)
- ◆ 1.7V to 28V Input
- ◆ Sinks 20mA at 0.2V
- ◆ 0.2 $\Omega$  Dynamic Output Impedance
- ◆ High-Bandwidth Design
- ◆ Priced at \$0.50<sup>†</sup>



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



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