



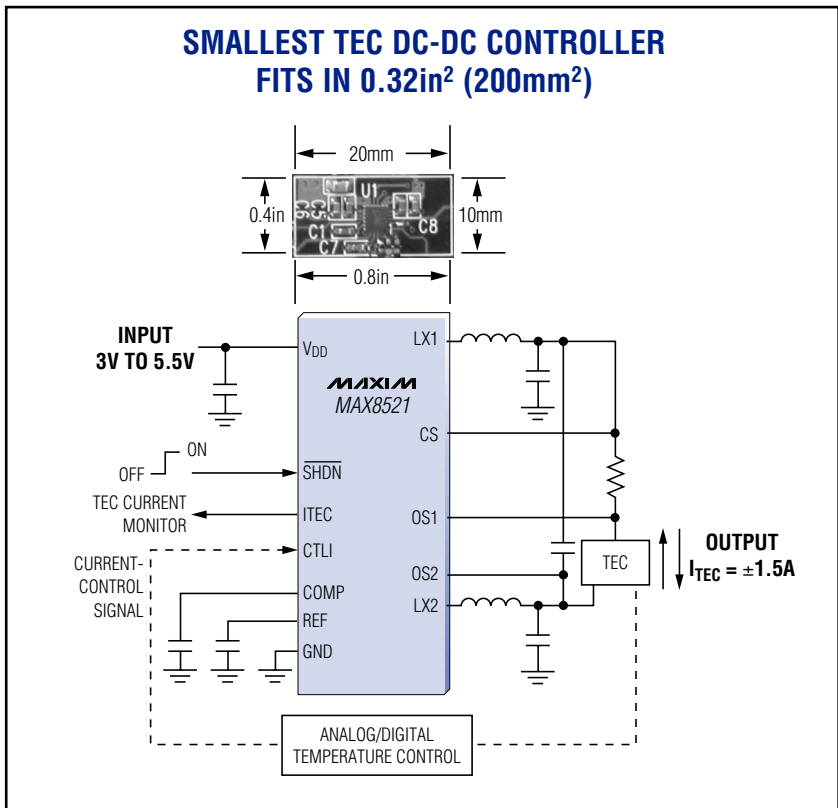
# WORLD'S SMALLEST TEC DRIVERS FOR SFF/SFP OPTICAL MODULES RUN COOLEST

The MAX8520/MAX8521 thermo-electric cooler (TEC) drivers save space and reduce heat generated in small form factor (SFF) and small form factor pluggable (SFP) optical modules used in network and communication equipment. Internal power MOSFETs and switching frequencies up to 1MHz reduce external component size. Both devices control the TEC current to eliminate undesirable surges present in voltage-controlled competitive devices. They are compatible with analog or digital temperature control. An evaluation kit is available to speed design.

- ◆ 3V to 5.5V Input
- ◆ ±1.5A Output
- ◆ Low Heat Generation
- ◆ Independent Heating/Cooling Current Limits
- ◆ Maximum TEC Voltage Limit
- ◆ Adjustable Switching Frequency
- ◆ Synchronization (MAX8521)
- ◆ Resistor-Programmed Switching Frequency (MAX8520)
- ◆ Priced at \$3.75<sup>†</sup>

**Small Package Sizes Reduce Space!**

 3mm x 3mm CSP	 5mm x 5mm QFN
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The MAX8520/MAX8521 also feature 50% lower  $R_{DS(ON)}$  than competing products to reduce heat generation

<sup>†</sup>2500-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.



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