

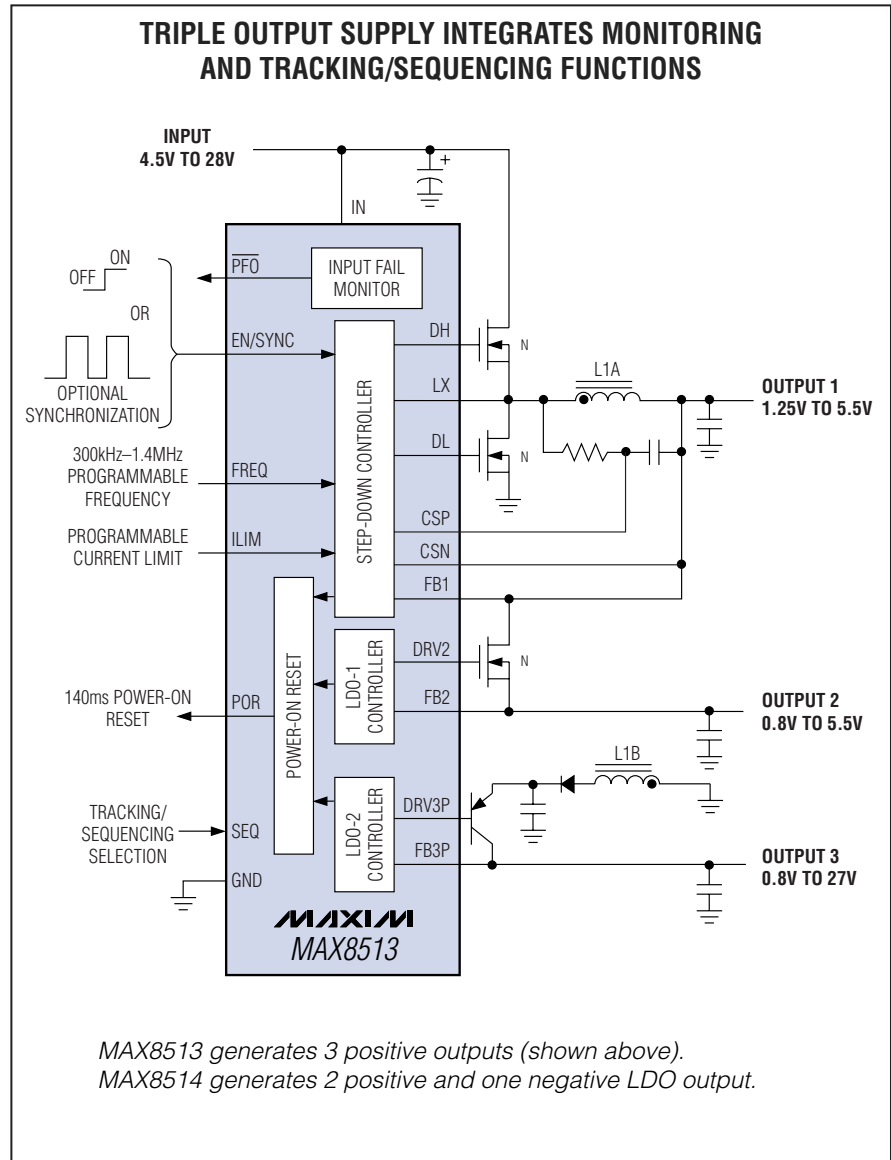
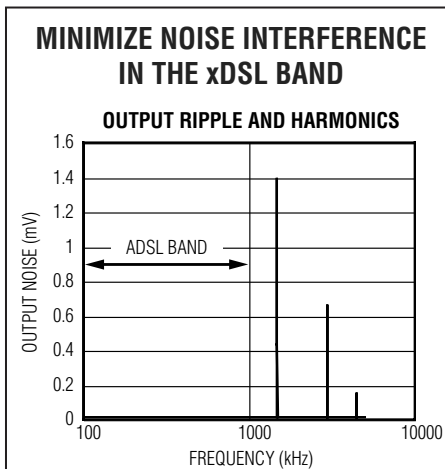
# REDUCE POWER-SUPPLY COST AND NOISE INTERFERENCE IN xDSL MODEMS, ROUTERS, AND GATEWAYS

## Reduce Cost

- ◆ Unregulated Input
- ◆ Integrates Essential Functions
  - ◆ Tracking/Sequencing
  - ◆ Output Power-On Reset
  - ◆ Input Fail Monitor
- ◆ Low-Cost External Components
  - ◆ No Sense Resistors
  - ◆ No p-Channel MOSFETs
- ◆ Electrolytic, Polymer, or Ceramic Capacitors
- ◆ Price \$1.45<sup>†</sup>

## Reduce Noise Interference

- ◆ 1.4MHz Switching Minimizes Noise Interference for xDSL
- ◆ Optional Synchronization
- ◆ Ceramic Capacitors Minimize Output Voltage Ripple



MAX8513 generates 3 positive outputs (shown above).  
MAX8514 generates 2 positive and one negative LDO output.

<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.



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