

PRODUCT HIGHLIGHTS

The editors' choices of outstanding products, selected for technological advancement or a substantial gain in price and performance.

Ultrathin dc/dc converter targets avalanche photodiode apps

Low-cost subminiature device has a footprint of 29.2 x 4.06 mm

SIP90 dc/dc converter provides an output of from less than 10 to 90 V at a current of up to 1 mA. Suitable for avalanche photodiode biasing, the device has a footprint of only 29.2 x 4.06 mm and a height of 13.97 mm.

The converter accepts an input from 2.7 to 6.7 V as well as a programming voltage from 0 to 4.5 V that is inversely related to the output voltage. With a ripple of less than 2 mVp-p, the device's line and load regulation is less than 0.06% and 0.025%, respectively.

Temperature coefficient is less than 200 ppm/°C. Output Voltage varies less than 0.01% per hour after warm up.

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