

# POWER ELECTRONIC TECHNOLOGY POP QUIZ



## Lead Generation with a Pop Quiz Contest

A customized online program designed to generate leads, the Pop Quiz provides a great way to interact with our engineering readership by allowing them to test their expertise with challenging questions and the opportunity to win a prize. Topics and questions for a multiple-choice test are developed jointly with the sponsoring company; contestants are required to register to participate. At the close of the Pop Quiz, sponsors receive contact information for all contest registrants. Promoted online, via email and in print, the Pop Quiz is a unique way to reach the most knowledgeable design engineers.

### lead generation



### pricing

1x pricing: **\$3,400**

4x pricing: **\$3,060** (10% discount)

Talk to your sales rep about discounted package pricing as part of a comprehensive, integrated campaign

## advertising representatives

**Northeast/Eastern Canada**  
Charles Curley  
charles.curley@penton.com

**Mid-Atlantic/Central, Midwest, Southern California**  
Tracy Smith  
tracy.smith@penton.com

**South**  
Bill Yarborough  
bill.yarborough@penton.com

**Northwest/Northern California/ Western Canada**  
Jamie Allen  
jamie.allen@penton.com

**Europe**  
Victoria Huffman  
victoria@hufmann.info

## a Pop Quiz program includes:

- Questions written by our editors
- Online banner advertising
- Email newsletter advertising
- Print promotion
- Company logo on quiz page and all promotions

**Answer all questions correctly to win an Analoger t-shirt and ISL28133 Chopper Amp samples**

Sponsored by **intersil**

### Welcome to the Intersil "Analoger" Chopper Challenge!

Not all Chopper Low Drift Op Amps are created equal, which is why we built the ISL28133. Designed by engineers for engineers, this precision Chopper Amp redefines the word "smallish" (it's a word...go with it) for package size and power consumption.

Now for the fun part....Take our challenge quiz on the Intersil precision Chopper Amp, score like a linear genius, & win a FREE Analoger t-shirt and two free samples. So let's get started!

[View Rules](#)

- The ISL28133 implements a patented, chopper-stabilized circuit technique that helps reduce the following attribute:
  - a. Voltage offset & voltage drift
  - b. Quiescent current variability
  - c. Bias current cancellation
  - d. Power-up time
- The ISL28133 is offered in an extremely small form factor package, perfect for tiny sensor applications. What package takes up the least board space?
  - a. SOT-23 (5-lead)
  - b. SOIC
  - c.  $\mu$ TDFN (hint: use 1.6mm<sup>2</sup> package)
- The ISL28133 is designed into a wireless sensor application module which is powered by a 2V battery with 500mAh capacity. Assuming the sensor power is dominated by the ISL28133, how long would the battery last? (assume constant temp at 25°C and 100% duty cycle)
  - a. 20,000 hours