



New Avago Absolute Encoder Delivers Industry-Leading Accuracy With Modular Package for Easy Installment and Alignment

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High-Resolution, Single-Turn Encoder Optimized for High-Speed, High-Performance Servo and Motor Feedback Applications

SAN JOSE, Calif. & SINGAPORE, Aug 31, 2011 (BUSINESS WIRE) --

Avago Technologies (Nasdaq:[AVGO](#)), a leading supplier of analog interface components for communications, industrial and consumer applications, today announced a high-resolution absolute optical encoder for high-performance servo and motor feedback applications. The new [AEAT-9000](#) ultra-precision absolute encoder provides best-in-class accuracy for smooth motor drive performance. The device is available in a modular package that enables it to be mounted in space-constrained locations with various mounting requirements, simplifying design and shortening assembly time.

The Avago AEAT-9000 single-turn encoder offers up to 17-bit resolution for precise angle measurement over a full rotation of 360 degrees. The device's modular design consists of a read head module and a high-precision code disc. Unlike conventional encoders, the modular package of the AEAT-9000 encoder enables it to be directly integrated on the motor, providing system cost savings and better overall performance. Leveraging differential internal and external signal paths, the absolute encoder delivers superior noise cancellation for robust system noise-immunity in industrial environments, making it ideal for servo motors, industrial and maritime valve control applications, high-precision test and measurement equipment, factory automation equipment and more.

The AEAT-9000 encoder delivers high-accuracy positioning with 2-channel true differential Sine/Cosine outputs and A/B incremental analog outputs all with 2048 counts per rotation. The multiple output formats offer flexibility to support both absolute and incremental position information. In addition, the encoder incorporates photo detectors for electrical alignment on the radial and tilt.

Additional AEAT-9000 Encoder Features

- On-chip interpolation and code correction compensate for mounting tolerance
- Selectable direction for Up/Down position counters
- Built-in monitor track for monitoring of LED light level
- Error output for LED degradation
- -40 to 115°C operating temperature

U.S. Pricing and Availability

The Avago AEAT-9000 absolute encoder is priced at \$57.00 each in 1000 piece quantities. Samples and production quantities are available now through the Avago direct sales channel and via worldwide distribution partners.

About Avago Technologies

Avago Technologies is a leading supplier of analog interface components for communications, industrial and consumer applications. By leveraging its core competencies in III-V compound and silicon semiconductor design and processing, the company provides an extensive range of analog, mixed signal and optoelectronics components and subsystems to approximately 40,000 end customers. Backed by strong customer service support, the company's products serve four diverse end markets: wireless communications, wired infrastructure, industrial and automotive electronics, and consumer and computing peripherals. Avago has a global employee presence and heritage of technical innovation dating back nearly 50 years to its Hewlett-Packard roots. Information about Avago is available on the Web at www.avagotech.com.

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