

# Information of Ceramic Crystal Resonators

## Advantage of Token's New Ceramic Housed Crystal Units Resonators

The emergence of wireless communications and the increased need for wireline-based data transmissions have swelled demand for piezoelectric quartz crystals and oscillators. Emerging industrial and consumer applications are steering the industry.

Data transfer must be synchronized in high-bandwidth systems, a requirement that has boosted demand for timing products. **Token crystal units (resonators) and filters** provide the precise timing signals needed to ensure reliable data transfer at high speeds in applications ranging from notebook computers to network switches.

Token use Piezoelectric processing techniques to craft resonators on quartz chips for time bases and provide very high initial accuracy and a moderately low temperature coefficient.

The markets for piezoelectric crystal products are characterized by price competition, and rapid technological change. Due to the increasing requirements for high-speed, high-frequency components as well as the demand of new consumer applications to the market, Token's ceramic housed crystal units resonators provide component engineers with a vast range of readily available solutions, necessary to meet the dynamic requirements of today's global market.