
Super High-end Products



Super high-end products are proprietary TAIYO YUDEN products meeting the four criteria: product that obtains the top position in the global market, product that only 2.5 suppliers can develop in the field, product that provides solutions for growth markets, and product that sustains a strong competitive edge.

Multilayer Ceramic Capacitor



Multilayer ceramic capacitors are constructed with alternating layers of electrodes and dielectric materials such as barium titanate, enhancing capacitance of even very small capacitors. Multilayer ceramic capacitors are highly reliable and provide with excellent high frequency property.

Capacitance



Capacitance is the volume of electrical charge that can be stored in a capacitor. Electrical capacitance units are measured in farads (symbol: F) . Multilayer ceramic capacitors are constantly being developed to be smaller and have larger capacitance.

**MCOIL™
Metal Power Inductor**



Metal power inductors, which are also called choke coils, are made from metallic magnetic materials. Power inductors ensure an electric current remains stable. The main advantage of metal power inductors is that they conduct more electric current than inductors made of ferrite, a ceramic compound consisting mainly of iron oxide, while also being thinner and stronger. MCOIL is a trademark of TAIYO YUDEN.

**Embedded Organic
Module Involved
Nanotechnology
EOMIN™**



EOMIN™ is a circuit board that can embed electronic components in a substrate. Rather than mounting the components on the surface of the circuit board, EOMIN™ moves the component inside the circuit board to create three-dimensional circuitry and smaller modules. EOMIN is a trademark of TAIYO YUDEN.

SAW/FBAR Devices



Surface acoustic wave (SAW) and film bulk acoustic resonator (FBAR) filters are communications devices for filtering the electrical signals of band frequencies and allow the reception and transmission of specific frequencies. FBAR filters provide better performance characteristics for higher frequencies than SAW filters.

4G LTE



Fourth generation long-term evolution (4G LTE) is an international transmission standard for high-speed, large-capacity wireless communications developed from the third-generation (3G) service. The 4G LTE protocol is becoming the worldwide standard and has been adopted in the United States, Europe, Japan, and China. Noise issues for communications devices from the use of higher frequencies and proximity of bandwidths are creating increasing demand for 4G LTE devices.
