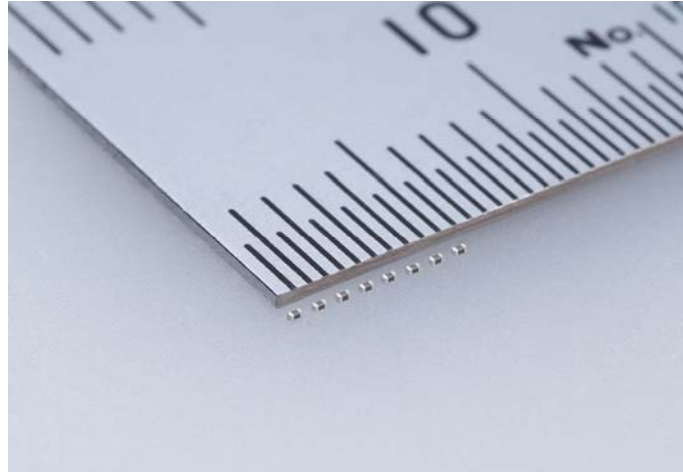


For immediate release

Taiyo Yuden Introduces the World's First 0.1 μ F EIA 01005 Size Multilayer Ceramic Capacitor

*Uses Advanced Materials and Thin Layer Technologies
to Achieve High Capacitance in an Ultra Compact Size*



TOKYO, April 20, 2010 — Taiyo Yuden Co., Ltd. today announced details of the commercial release of the “AMK042BJ104MC” (0.4 x 0.2 x 0.2mm), achieving a capacitance value of 0.1 μ F in an EIA 01005 size ultra compact multilayer ceramic capacitor. On a comparative volume ratio basis, this product realizes a compact size that is approximately 70% smaller than that of the company’s conventional lineup. At the same time, the “AMK042BJ104MC” EIA 01005 size multilayer ceramic capacitor offers the industry’s highest capacitance value.

Currently, the EIA 0201 size multilayer ceramic capacitors are used in a variety of modules embedded in such compact mobile devices as smartphones, mobile phones and portable music players as power line decoupling capacitors. The commercial release of the EIA 01005 size ultra compact multilayer ceramic capacitor that realizes a capacitance value of 0.1 μ F is anticipated to precipitate further decoupling capacitor miniaturization and the shift toward the EIA 01005 size.

Production will commence in April 2010 at the company’s Tamamura Plant in Gunma Prefecture, Japan at an output pace of ten million units per month. Sample price is 10 yen per unit.

Taiyo Yuden is actively developing high-end multilayer ceramic capacitors. In addition to this product, the company’s lineup includes the EIA 0201 size 1 μ F, EIA 0402 size 10 μ F and EIA 0805 size 100 μ F compact high capacitance products. Taiyo Yuden’s broad product range addresses the needs of a wide spectrum of applications.

Technology Background

In addition to improved capability and sophistication, more compact mobile devices including smartphones, mobile phones and portable music players must, while maintaining their high performance, accommodate a growing abundance of functions within a limited chassis space. By the same token, calls for miniaturization while maintaining high performance are also prevalent with respect to decoupling capacitors used for IC power lines.

Ever since Taiyo Yuden's commercialization of a nickel-electrode high-value multilayer ceramic capacitor in 1984, the company has advanced the materials technology of multilayer ceramic capacitors, thin layer technology and other technologies to promote ever more compact, higher-value capacitors. The "AMK042BJ104MC" (0.4 x 0.2 x 0.2mm) is the latest product of this technology development achieving a capacitance value of 0.1 μ F in a compact EIA 01005 size.

Characteristics of the EIA 01005 size ultra compact multilayer ceramic capacitor are as follows.

Ordering code	Capacitance	Temperature characteristics	Rated voltage	Length (L) [mm]	Width (W) [mm]	Thickness (T) [mm]
AMK042BJ104MC	0.1 μ F	X5R	4V	0.4 \pm 0.02	0.2 \pm 0.02	0.2 \pm 0.02