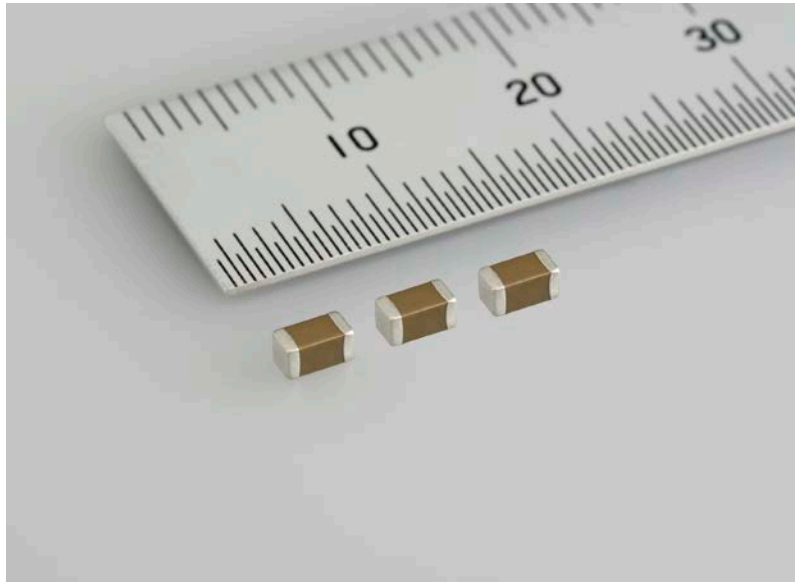


For immediate release

TAIYO YUDEN Announces the Commercial Production of a 150 μ F Multilayer Ceramic Capacitor

Greater Capacity Variation for the Power Supplies of Various Devices



TOKYO, April 30, 2013 - TAIYO YUDEN CO., LTD. announced the commercial release of the 150 μ F-capacitance EIA 1206 size AMK316BBJ157ML (3.2 x 1.6 x 1.6mm) as an addition to its super high-end product group of high-capacity multilayer ceramic capacitors (over 100 μ F).

This product is used to smooth the output and ensure the stable operation in power supplies used in various devices. The applications for these power supplies include information-related devices like PCs and servers, and all-in-one printers. TAIYO YUDEN has previously released EIA 1206 size high-capacity multilayer ceramic capacitors commercially with a capacitance of 100 μ F and 220 μ F. The addition of the 150 μ F will allow us to meet increasingly diverse demand in the markets we serve.

Production will be commenced at the company's Tamamura plant in Gunma Prefecture from April 2013 onward at a production rate of 1 million units per month. The sample price is 80 yen per unit.

Technology Background

Due to increasing digitalization the number of ICs has increased in many devices. This has brought about an increase in the number of power supply circuits in these devices. Power supply circuits use combinations of high capacitance-capacitors to smooth the output and ensure the stable operation of a device. As a result, there is an increasing need for capacitors to be available in a greater variety of capacitances.

Multilayer ceramic capacitors have a low ESR and superior frequency characteristics as compared to tantalum or aluminum electrolytic capacitors and are effective as smoothing capacitors for controlling the ripple current in increasingly high-frequency power circuits.

Since TAIYO YUDEN's commercialization of the nickel-electrode high-capacity multilayer ceramic capacitors in 1984, we have progressed towards increased miniaturization and capacitance. This is accomplished from our technical advancements in materials, multilayer technology, and other areas. This time, we have aimed to meet the diversifying needs of customers by expanding the E6 series to include a high-capacity multilayer ceramic capacitor with a capacitance greater than 100 μ F.

TAIYO YUDEN will continue to make further additions to our line-up of super high-end, high-capacity multilayer ceramic capacitor products with a capacitance in excess of 100 μ F, and we intend to develop their capacity up to 1000 μ F.

■ Main applications

For power smoothing in a variety of devices including PCs, servers, all-in-one printers, and other information-related devices.

The characteristics of the multilayer ceramic capacitor released this time are as follows.

Ordering code	Capacitance	Capacitance tolerance	Temperature characteristic	Rated voltage	Length(L) [mm]	Width(W) [mm]	Thickness(T) [mm]
AMK316BBJ157ML	150 μ F	\pm 20%	X5R	4.0V	3.2 \pm 0.3	1.6 \pm 0.3	1.6 \pm 0.3