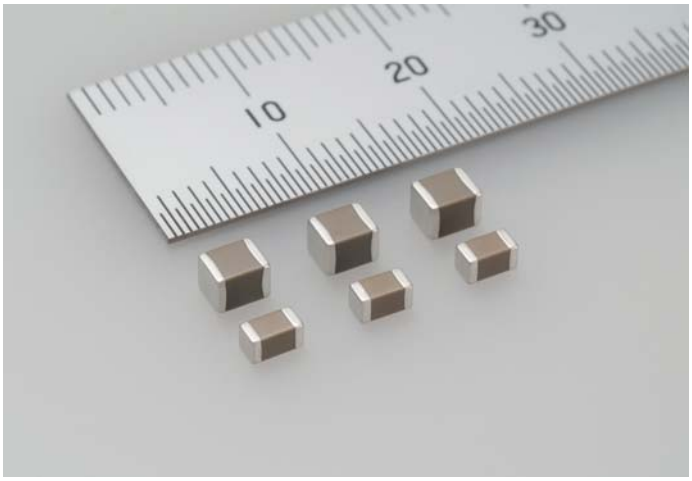
For immediate release

Taiyo Yuden Announces Commercialization of the World's First Multilayer Ceramic Capacitor with a Capacitance of 220µF

High Value Multilayer Ceramic Capacitor Series Lineup Expansion



TOKYO, June 30, 2011 – TAIYO YUDEN CO., LTD. today announced details of the commercial release of the EIA 1206 size "AMK316BBJ227ML" (3.2 x 1.6 x 1.6mm) and the EIA 1210 size "JMK325ABJ227MM" (3.2 x 2.5 x 2.5mm), the first multilayer ceramic capacitors to achieve a capacitance of 220µF.

These products are aimed at high performance digital devices such as smart phones, tablet PCs, and notebook PCs, and achieve a capacitance of more than double that of Taiyo Yuden's existing "AMK316 BJ107ML" (3.2 x 1.6 x 1.6mm ,with a capacitance of 100µF) and "JMK325 BJ107MM" (3.2 x 2.5 x 2.5mm ,with a capacitance of 100µF) products. They are the optimum products for the decoupling of power circuits in high performance digital devices which are becoming increasingly compact, thin, and functional.

Taiyo Yuden has encouraged partial substitution of electrolytic capacitors for high value multilayer ceramic capacitors between EIA 0805 size and EIA 1210 size with a capacitance of 100µF, and by adding an even higher value product with a capacitance of 220µF to its lineup, it is believed that this substitution can be greatly accelerated.

Production will commence in July 2011 at the Company's Tamamura Plant in Gunma Prefecture, Japan at an output pace of 1 million units per month for each product. The sample price is 100 yen per unit for each product.

Technology Background

High performance digital devices such as smart phones and tablet PCs and as their functionality becomes more diverse and their performance increases, so does the demand for more functions to be concentrated into their thin, compact housing. In such devices, high value capacitors used for power circuit decoupling are necessary to allow stable operation of a high performance IC.

Furthermore, when compared with tantalum electrolytic capacitors and aluminum electrolytic capacitors, multilayer ceramic capacitors generally have a lower ESR and have superior frequency characteristics. Due to this, multilayer ceramic capacitors can eliminate noise effectively as a decoupling capacitor for power circuits, making them essential for this role.

Ever since Taiyo Yuden's commercialization of a nickel-electrode high value multilayer ceramic capacitor in 1984, the company has promoted ever more compact, higher value multilayer capacitors through its advances in material and multilayer technology. With the AMK316BBJ227ML" and "JMK325ABJ227MM", Taiyo Yuden has commercialized a high value multilayer ceramic capacitor that realizes a capacitance of 220µF through achieving a number of layers close to 1,000.

The characteristics of these commercialized high value multilayer ceramic capacitor are as follows.

Ordering code	Capacitance	Capacitance tolerance	Temperature characteristics	Rated voltage	Length [mm]	Width [mm]	Thickness [mm]
AMK316BBJ227ML	220µF	±20%	X5R	4.0V	3.2±0.3	1.6±0.3	1.6±0.3
JMK325ABJ227MM	220µF	±20%	X5R	6.3V	3.2±0.3	2.5±0.3	2.5±0.3

■Applications

Power circuit decoupling in high performance digital devices such as smart phones, tablet PCs, and notebook PCs.