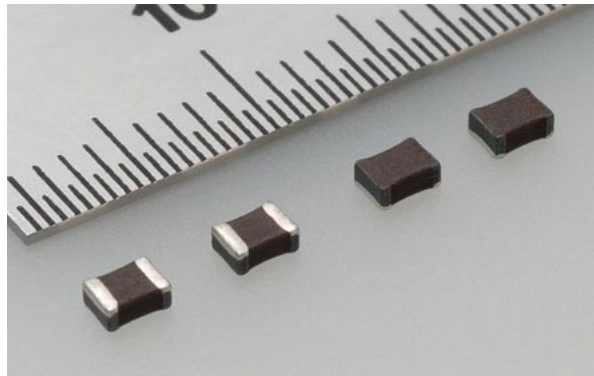


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Taiyo Yuden: Announcing Sale of Compact Wire Wound Power Inductor, Optimum for Power Supplies of Mobile Equipment - Compact, High Efficiency Choke Coil for High Speed DC-DC Converters -



Taiyo Yuden is to commence mass production of the compact wire wound power inductor BRL2518 series (2.5 × 1.8 × 1.2mm, height at maximum value), optimum for DC-DC converter choke coils used in mobile equipment.

In addition to smaller size, cell phones, digital still cameras, portable music players, and other mobile equipment require compact yet high efficiency DC-DC converters to ensure good utilization of limited battery power. Shrinking the DC-DC converter requires reduction of the size of its main component, the choke coil, which also occupies the largest surface area of the DC-DC converter. However, since reducing the size of the wire wound inductor used as the choke coil application increases its DC resistance, causing the efficiency of the DC-DC converter to deteriorate, reducing its size while maintaining performance has been considered a difficult task.

Taiyo Yuden responded by optimizing the product design based on the structure used in its SMD inductor NR series, which had successfully eliminated all wasted space. As a result, the company was able to develop a compact, high efficiency choke coil for the DC-DC converter that maintained the high rated current and low Rdc expected of Taiyo Yuden wire wound inductors while achieving a 50% reduction in surface area and a huge reduction in direct current resistance compared to conventional inductors.

Mass production of this product is to begin in October 2006, at a pace of 10 million units per month. The sample price is 20 yen per unit.

This product will be on display at the Taiyo Yuden booth for CEATEC Japan, to be held starting October 3, 2006 at Makuhari Messe (Mihama-ku, Chiba city)

The BRL2518 series lineup is as follows.

	Inductance	DC resistance (Ω)	Rated current (A)max.
BRL 2518 T 1R0M	1.0μH ± 20%	0.080	1.6
BRL 2518 T 1R5M	1.5μH ± 20%	0.100	1.2
BRL 2518 T 2R2M	2.2μH ± 20%	0.135	1.0
BRL 2518 T 3R3M	3.3μH ± 20%	0.300	0.8
BRL 2518 T 4R7M	4.7μH ± 20%	0.400	0.7

