

## EMC Filter

### Single-phase EMC Filter RSEC-2006 With Faston Terminals

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- Compact, small current single-phase EMC filter ideal for entry model of countermeasures for EMI
- Equivalent attenuation characteristics of existing products combined in a single model with faston\* terminals

March 30, 2016

TDK Corporation announces the successful development of the TDK-Lambda brand of RSEC-2006, a single-phase EMC filter featuring small dimensions and small current. The new product is ideal for use in small to medium size industrial equipment, covering a wide range of application possibilities for various customers. TDK-Lambda Corporation will start accepting orders for the new product from April 2016, and shipping will begin in July 2016.

The RSEC-2006 is a compact, small current single-phase EMC filter ideal for entry model implementation of countermeasures for EMI. In the same product category, our RSEL series with ten different types has been highly popular among customers for many years. The new EMC filter provides attenuation characteristics which is covered the all existing lineup in a single model, rated for a maximum current of 6 A. In order to facilitate use of the new filter in similar applications as the existing product, form factor and mounting compatibility have been built into the design, while simplifying the lineup to a single faston terminal type which provides optimum ease of use for customers.

In addition to optimized electrical characteristics and the adoption of a unified terminal type, automatization of production processes has also been realized, resulting in an EMC filter that perfectly fits the requirements of entry model level for countermeasures for EMI.

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#### Main applications

- General industrial equipment

#### Main features and benefits

- Easy replacement of existing products (RSEL series)  
(Equivalent attenuation characteristics, form factor and mounting compatibility)
- Unified terminal type: Faston terminals

**Key data: RSEC-2006**

Model	RSEC-2006
Rated voltage	250 VAC / 250 VDC
Rated current	6 A Max.
Withstand voltage	2500 VAC 60 s (L-E)
Insulation resistance	100 MΩ Min.
Leakage current	1 mA Max.
Operating temperature range	-25 to +85°C
With derating over	55°C
DC resistance	60 mΩ Max.
Attenuation frequency range (Common mode / 25 dB guaranteed)	1 to 30 MHz
Attenuation frequency range (Differential mode / 25 dB guaranteed)	1 to 30 MHz
Safety	UL1283, EN60939
Weight (Typ.)	45 g

\*Faston® is a registered trademark of TE Connectivity.

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**About TDK Corporation**

TDK Corporation is a leading electronics company based in Tokyo, Japan. It was established in 1935 to commercialize ferrite, a key material in electronic and magnetic products. TDK's portfolio includes electronic components, modules and systems\* marketed under the product brands TDK and EPCOS, power supplies, magnetic application products as well as energy devices, flash memory application devices, and others. TDK focuses on demanding markets in the areas of information and communication technology and consumer, automotive and industrial electronics. The company has a network of design and manufacturing locations and sales offices in Asia, Europe, and in North and South America. In fiscal 2015, TDK posted total sales of USD 9.0 billion and employed about 88,000 people worldwide.

\* The product portfolio includes ceramic, aluminum electrolytic and film capacitors, ferrites, inductors, high-frequency components such as surface acoustic wave (SAW) filter products and modules, piezo and protection components, and sensors.

**About TDK-Lambda Corporation**

TDK-Lambda Corporation, a group company of TDK Corporation, is a leading global power supply company providing highly reliable power supplies for industrial equipment worldwide. TDK-Lambda Corporation meets the various needs of customers with our entire range of activities, from research and development through to manufacturing, sales, and service with bases in five key areas, covering Japan, Europe, America, China, and Asia. For more details, please pay a visit to <http://www.tdk-lambda.com>

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