

## Power line EMC filters

### Compact 6A to 30A 250V EMC filters are easy to install

March 2018

TDK Corporation announces the introduction of the TDK-Lambda RSEV series of EMC filters, with a voltage of 250Vac/Vdc and a choice of 6, 10, 16, 20 and 30A currents ratings. The RSEV has an integrated touch-resistant terminal block with recessed, captive screws. Hardware cannot be misplaced or dropped inside the system enclosure. The filters are suitable for general purpose use in a wide range of industrial and communications equipment.

The RSEV series is chassis mountable, or with an optional kit, can be attached to the industry standard DIN rails. The maximum weight is 150g for the 30A model. All models share a common package size of 85mm × 39mm × 30mm (L x W x H), a 37% reduction in size compared to previous models (RSEN 30A). The filters have an operating ambient temperature rating of -25 to +85°C with derating above 55°C.

The series has a maximum earth leakage current of 1mA at 250Vac 60Hz, is safety certified to the UL 1283, CSA C22.2 No.8 and EN 60939-3 standards with compliancy to the RoHS2 Directive. A five-year warranty is standard.

More information can be obtained on the TDK-Lambda Americas website <http://www.us.tdk-lambda.com/lp/products/r-series.htm>, or by calling 800-LAMBDA-4. Product availability for all the RSEV EMC filters can be found via the link to TDK-Lambda's distributor network (see "Check Distributor Stock to Buy") at <http://www.us.tdk-lambda.com/lp/>.

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#### Major applications

General purpose industrial and communication equipment

#### Main features and benefits

- Captive Connection Screws
- Integrated Terminal Block
- Compact Size
- DIN Rail Mounting Kit

## Major specifications

Model		RSEV
Rated voltage	Vac / Vdc	250
Rated current	A	6, 10, 16, 20 and 30
Leakage current	mA	1mA maximum (250Vac, 60Hz)
Operating temperature	°C	-25 to +85°C with derating above +55°C
Safety	-	UL1283, CSA C22.2 No.8 and EN60939-3
Size (L x W x H)	mm	85 × 39 × 30
Weight	grams	150

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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 passive components, such as ceramic, aluminum electrolytic and film capacitors, ferrites and inductors, high-frequency products, and piezo and protection components, as well as sensors and sensor systems and power supplies. These products are marketed under the product brands TDK, EPCOS, Micronas, Tronics and TDK-Lambda. TDK's further main product groups include magnetic application products, energy devices, and flash memory application devices. TDK focuses on demanding markets in the areas of information and communication technology and automotive, industrial and consumer 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 2017, TDK posted total sales of USD 10.5 billion and employed about 100,000 people worldwide.

### 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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