

## Power Supply Product

# 2W and 4W Board Mount Power Supplies Operate from a 90 to 305Vac Input

September 2017

TDK Corporation announces the introduction of the KAS series AC-DC power supplies, rated at 2W and 4W. Accepting a very wide 90 to 305Vac, 47-440Hz input, these board mounted converters will operate from 115V, 230V and 277V nominal inputs. Target applications include security systems, building automation, professional household appliances, portable equipment and products requiring a separate standby voltage.

The series has a double insulated Class II construction, requiring no earth ground connection and has a 3,000Vac primary to secondary isolation. Available output voltages are 3.3, 5, 8, 9, 12, 14, 15 and 24V and have a no-load power consumption of less than 300mW. The KAS units are encapsulated in a plastic resin fiberglass case, providing additional protection against shock and vibration. The 2W KAS2 measures 28.5 x 25.8 x 17.0 mm and the 4W KAS4 37.0 x 27.5 x 17.5 mm.

The KAS2 will operate in ambient temperatures of -40 to +80°C, derating linearly to 40% load above 60°C. The KAS4 has a temperature range of up to -40 to +70°C, with model dependent derating. All the power supplies are certified to IEC/EN/UL/CSA 60950-1 and are designed to meet IEC/EN 60335-1 with CE marking for the Low Voltage and RoHS2 Directives. The series is compliant to EN 55032-B (radiated and conducted) and will meet EN 55024 immunity standards with an external varistor.

More information can be obtained at the following TDK-Lambda Americas website, <http://www.us.tdk-lambda.com/lp/products/kas-series.htm>, or by calling 800-LAMBDA-4. Product availability for the KAS power supplies 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/..](http://www.us.tdk-lambda.com/lp/)

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## Major applications

Security systems, building automation, professional household appliances, portable equipment and products requiring a separate standby voltage

## Main features and benefits

- 90 - 305VAC input voltage
- Class II construction
- Wide temperature range, up to -40 to +80°C
- <0.3W off-load power consumption

## Major specifications

Model		KAS2	KAS4
Input voltage range	Vac	90 to 305Vac	
Output voltages	Vdc	3.3, 5, 9, 12, 15, 24V	3.3, 5, 8, 9, 12, 14, 15, 24V
Output power	W	2W	4W
Operating temperature	°C	Up to -40 to +80°C. (Model dependent)	
Safety	-	IEC/EN/UL 60950-1, designed to meet IEC/EN60335-1	
Size (L x W x H)	mm	28.5 x 25.8 x 17.0 mm	37.0 x 27.5 x 17.5 mm
Warranty	-	Three Years	

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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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