

Power Supply Product

Board Mount 15W to 60W AC-DC Power Supplies Have Medical and ITE Certifications

July 2016

TDK Corporation announces the introduction of the TDK-Lambda KMS-A 15W to 60W board mount AC-DC medical and ITE certified power supplies. Capable of starting up at -40°C, the convection cooled units will operate in ambient temperatures of up to 80°C and are rated for full load over a -30 to 50°C range. The KMS-A series is designed for use in a wide range of medical and industrial applications, including dental, home healthcare and test and measurement.

The encapsulated series comprises of three power levels: 15W, 30W and 60W and five output voltages: 5V, 9V, 12V, 15V and 24V. The 15W models measure 52.5 x 27.5 x 23.5mm, the 30W 64.0 x 45.0 x 23.5mm and the 60W models 89.0 x 63.5 x 27.0mm. Rated for Class II operation, the KMS-A requires no earth ground connection.

The KMS-A series accepts an input voltage of 90 to 264Vac and requires no external input filtering components. Efficiencies are up to 89% and have an off-load power draw of <0.1W for the KMS15A, <0.15W for the KMS30A and <0.3W for the KMS60A.

Input to output isolation is 4kVAC, 2 x MOPPs, with all models certified to UL/CSA/IEC/EN 60950-1, ANSI/AAMI ES 60601-1, IEC/EN 60601-1 and carrying the CE mark for the Low Voltage and RoHS2 Directives. All units meet EN55011-B conducted & radiated emissions and IEC 61000-6-2 and IEC 61000-4 immunity standards.

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

Major applications

Medical, dental, home healthcare, broadcast, test, measurement and industrial equipment

Main features and benefits

- Medical and ITE certifications
- Compact package sizes
- Class II operation
- High efficiency and low off-load power draw

Major specifications

Model		KMS15A	KMS30A	KMS60A
Input voltage range	-	90 – 264Vac		
Output voltages	Vdc	5, 9, 12, 15 and 24V		
Maximum output power	W	15W	30A	60W
Efficiency (24V model, 230Vac i/p)	%	85%	86%	87%
Mounting type	-	Board mount		
Safety Certifications	-	ES 60601-1, IEC / EN 60601-1, IEC / UL / CSA / EN 60950-1		
Size (L x W x H)	mm	52.5 x 27.5 x 23.5	64.0 x 45.0 x 23.5	89.0 x 63.5 x 27.0
Warranty	-	Three years		

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 2016, TDK posted total sales of USD 10.2 billion and employed about 92,000 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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