

Power Supply Product

Medical 2 x 4" 35W Triple Output Power Supplies Require No Minimum Loading

May 2017

TDK Corporation announces the introduction of TDK-Lambda's CUT35 low profile, triple output power supplies. Packaged in the industry standard 2" x 4" footprint, the CUT35 requires no minimum load, simplifying installation. The easy to use power supplies are designed for medical, industrial, broadcast and test & measurement applications.

Operating from a universal input voltage of 85 to 265Vac, the CUT35 is available in two standard models. The CUT35-522 offers 5V \pm 12V output voltages and the CUT35-5FF 5V \pm 15V with an output power of 35W. The units can be configured as dual output power supplies (5V 24V or 5V 30V) by connecting outputs 2 and 3 in series.

The two converter topology of the CUT35 enables zero minimum load operation, good regulation and provides 500Vac isolation between the 5V and the secondary outputs. The 5V output is user adjustable from 5V to 5.25V, and does not impact the secondary output voltage settings. Convection cooled, the series features a wide operating temperature range from -20 to +70°C ambient (with appropriate de-rating above 60°C) and carries a 3-year warranty. Options for the product series include a cover (/A) and a mounting baseplate (/B).

The CUT35 series has been certified to IEC/EN/ES 60601-1, IEC/EN/UL 60950-1 and carries the CE mark according to the LV and RoHS2 Directives. Input to output isolation is 3,000Vac, input to ground 2,000Vac and output to ground 500vac. Leakage current is less than 300 μ A. All models meet EN 55011-B, FCC Class B conducted / radiated emissions and IEC 61000-4 immunity standards.

More information can be obtained at the following TDK-Lambda Americas website, <http://us.tdk-lambda.com/lp/products/cut75-series.htm> or by calling 800-LAMBDA-4. Product availability for the CUT35 series 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/>.

Major applications

- Medical, industrial, test and measurement and broadcast applications

Main features and benefits

- Industry standard 2 x 4" footprint and 1.06" height
- 35W convection cooled
- No minimum loads
- Output 1 isolated from outputs 2 and 3

Major specifications

Model		CUT35-522			CUT35-5FF		
Input voltage range	Vac	85 to 265Vac					
Output voltages	Vdc	5V	+12V	-12V	5V	+15V	-15V
Output current	A	3A	1.2A	0.85A	3A	1A	0.65A
Output power	W	35W convection cooled					
Operating temperature	°C	-20 to +70°C. (De-rate linearly to 60% load from 60 to 70°C)					
Safety	-	IEC/EN/ES 60601-1, IEC/EN/UL 60950-1, CE Mark					
Size (W x D x H)	in	2 x 4 x 1.06"					
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 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/>

Contacts for regional media

Region	Contact	Phone	Mail
Americas	Tom Tillman TDK-Lambda Americas	(619) 575 4400	tom.tillman@us.tdk-lambda.com