Medical 65-Watt Switcher in 2 x 4-inch Footprint

TDK-Lambda Americas, a group company of TDK Corporation, introduces the 65-watt MWS65 series of open-frame, medical/ITE AC-DC power supplies. With 4kVac reinforced input to output isolation and output to ground isolation of 1500Vac, all models in the MWS65 series comply with UL/EN60601-1 Editions 2 & 3 safety approvals for medical equipment and include onboard dual fusing making them ideal for use in B (Body) and BF (Body Floating) type medical applications.

Using innovative design techniques to combine high efficiency and high power density, the MWS65 consumes less than 0.3W power under no-load conditions. With an industry standard footprint of 2 x 4 inches and a low 1 inch profile, the MWS65 is a compact, convection cooled unit that is also suitable for light industrial, point-of-sale terminals/displays, test & measurement and broadcast equipment applications.

Operating from a universal 90 to 265Vac input, the MWS65 power supply is offered in five models with nominal outputs of 5V, 12V, 15V, 24V or 48Vdc. All outputs are user adjustable by ±10%. With a flat efficiency curve of up to 89%, from 20 to 100% load, the MWS65 can be operated at full load from -20 to +50°C ambient temperature and up to +70°C with suitable derating. Overvoltage and overcurrent protection is standard.

CE marked in accordance with the LV Directive and delivered with a 3-year warranty, the MWS65 carries a host of safety agency approvals including UL/CSA/EN60950-1, EN50178 (OV II) and UL/EN60601-1, as well as compliance to EN5011/EN5022-B, FCC Class B and VCCI-B for both conducted and radiated EMI.

The MWS65 series are available now and priced from $32.00 each in 50 piece lots. For more information call TDK-Lambda Americas directly at 1-800-526-2324 or

download the product datasheet from: http://us.tdk-lambda.com/lp/products/mws-series.htm [1]

About TDK-Lambda
TDK-Lambda Americas, a group company of TDK Corporation, is a leading global electronics company and has been a major provider of power solutions for over 60 years. The company designs and manufactures a wide range of AC-DC and DC-DC power products for Medical, Industrial, Communications and Test & Measurement applications worldwide. For more information, call TDK-Lambda Americas directly at 619-575-4400 or visit the website at: www.us.tdk-lambda.com/lp [2]

Posted by Sean Fenske, Editor-in-Chief, MDT

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