

XP Power Adds 10 W Model to Ultra-Compact Family of DC-DC Converters

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XP Power (Sunnyvale, CA) announced the JCA10 series of single and dual output 10 Watt metal cased DC-DC converters. Already a popular DC-DC converter family, the JCA series now comprises 2, 3, 4, 6 and 10 Watt models. Packaged in an ultra-compact format measuring just 1 x 0.8 x 0.4 inches (25.4 x 20.3 x 10.0 mm) the JCA10 series has a footprint 20% smaller than other DIP-24 devices available on the market. Occupying less PCB space than conventional designs allows designers to reduce the size of new developments or utilise the board space for additional features, while the industry standard DIP-24 pin-out makes the converter an ideal drop-in replacement for existing designs.

Accommodating a 2:1 input range, the JCA10 series offers a choice of 4 nominal input voltages of 5, 12, 24 and 48 VDC. Inputs are 4.5 – 9.0 VDC, 9 – 18 VDC, 18 – 36 VDC or 36 – 75 VDC with under-voltage lockout as standard. For each input voltage, single output models offer +3.3, +5, +12 or +15 VDC outputs or the dual output versions provide +/- 5, +/- 12 or +/-15 VDC. Outputs are fully regulated, varying no more than +/- 0.3% over all input conditions, and less than +/- 1.0% across all load conditions. The JCA series offer basic input to output isolation rated at 1,500 VDC and case to input or output is 500 VDC.

For more information, visit: www.xppower.com [1]

Source URL (retrieved on 01/28/2015 - 5:16pm):

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Published on Medical Design Technology (<http://www.mdtmag.com>)

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