World’s Smallest 5, 10 Watt AC-DC Power Supplies

XP Power today announced the launch of what are believed to be the world’s smallest 5 & 10 Watt single output AC-DC power supplies. Measuring just 1 x 1 x 0.6 inches (25.4 x 25.4 x 15.24 mm), the miniature 5 Watt ECE05 series of encapsulated board mount power supplies are ideal for end-product designs where the available board space is at a premium and a low power high power density supply is required. Complementing the ECE05 series, the ECE10 series provides 10 Watt output from an equally compact encapsulated package measuring just 1.5 x 1 x 0.6 inches (38.1 x 25.4 x 15.24 mm).

Both series comprise seven models covering the popular nominal output voltages from 3.3 to 48 VDC, all from a wide universal input of 85-264 VAC with Class II construction, meaning no earth or ground connection is required. All models meet the internationally recognized no-load power consumption limit of less than 0.3 Watt and average efficiency limits ensuring end-products can comply with world-wide energy efficiency standards.

A peak load capability permits an output of up to 130 % of nominal output power to cater for short-term high power loads without the need to specify a higher rated power module, saving both board space and additional cost.

The ECE05/10 modules are convection cooled and operate without the need for additional heat sinking or forced airflow. Operating temperature is across the range of – 25 to + 70 degrees C, with no derating until + 50 degrees C.

The units meet international IT safety standards EN60950-1, UL609501-1 and CSA22.2 No. 234. They also comply with EN55022 level B limits for conducted and radiated EMC without the need for any additional filtering components.

The ECE05 is priced at $14.82 and the ECE10 is $21.06 for 500 pcs orders.

XP Power
408-732-7777; www.xppower.com [1]

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Links:
[1] http://www.xpiq.com/