

New Product Announcement

Now at Mouser: Texas Instruments TPSM846C24 High-Density Step-Down Power Module

January 9, 2019 – [Mouser Electronics](http://www.mouser.com), Inc., the industry's leading New Product Introduction (NPI) distributor with the widest selection of semiconductors and electronic components, is now stocking the [TPSM846C24](#) power module from [Texas Instruments](http://www.ti.com) (TI). The 35 A module features overcurrent protection and is designed for compact PCI/PCIe, broadband, [point-of-load](#), and [medical](#) equipment applications.

[TI's PSM846C24](#), available from Mouser Electronics, is a fixed-frequency, 35 A, step-down power module that incorporates a controller, power MOSFETs, inductor, and associated components into a thermally enhanced, surface-mount package. Setting the operating parameters of the module requires just input and output capacitors as well as a few other passive components.

Engineers can achieve a two-phase power solution by configuring two modules to work in parallel up to 70 A with current sharing. The TPSM846C24 operates at an junction temperature range of minus 40 to 125 degrees Celsius, and is available in a 15 mm × 16 mm footprint that is easy to solder onto a PCB and allows a compact, point-of-load design.

The module is supported by the [TPSM846C24EVM-006](#) and [TPSM846C24EVM-007](#) evaluation modules. Both evaluation modules provide test points and jumpers to facilitate easy testing. The TPSM846C24EVM-006 contains a single TPSM846C24 module, while the TPSM846C24EVM-007 contains two TPSM846C24 modules working in parallel to enable up to 70 A output current.

For more information, visit www.mouser.com/ti-tpsm846c24-power-modules.

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About Mouser Electronics

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Further information, contact:
Kevin Hess, Mouser Electronics
Senior Vice President of Marketing
(817) 804-3833
Kevin.Hess@mouser.com

For press inquiries, contact:
Kelly DeGarmo, Mouser Electronics
Manager, Corporate Communications and Media Relations
(817) 804-7764
Kelly.DeGarmo@mouser.com