

TOIREX...Powerfully Small!



NEW

XCM517 Series Multi-Chip Module IC

600mA Synchronous Dual Output Step-Down DC/DC Converter

The XCM517 series is a multi-chip module IC which has two XC9235/XC9236 synchronous step-down DC/DC converters in one package.

The IC is operated from a supply voltage within a range of 2.7V to 6.0V and switching frequency can be selected from 1.2MHz or 3.0MHz to suit the application. Control is selectable from PWM mode or PWM/PFM automatic switching mode and even with the PWM/PFM automatic switching control mode.

A highly efficient and stable power supply can be provided with up to 600mA output current per channel with only a small 1.5µH (3MHz version) coil and ceramic capacitors connected externally. Available in a space saving ultra small USP-12B01 (2.8mm x 2.3mm x 0.6mm) package.

Two channel output enables power supply to both CPU and I/O with just one package

Choice of switching frequency, 1.2MHz or 3.0MHz

Low ripple voltage operation of less than 10mV across full load range

USP-12B01 ultra-small package aids downsizing of mobile equipment

MCM IC?
(Multi Chip Module IC)

TOREX system integration enables several power management ICs as well as discrete parts to be mounted into one USP (Ultra Small Package) MCM (Multi Chip Module).

Using conventional TOREX products, new MCMs can be created to meet various application demands for power management solutions whilst at the same time providing smaller package size, fewer external components, and board space saving.

TOIREX

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TOREX Tutorial
for Power Management ICs



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