

**PRESS RELEASE****XC6416 Series  
“GreenOperation” Dual LDO Voltage Regulators**

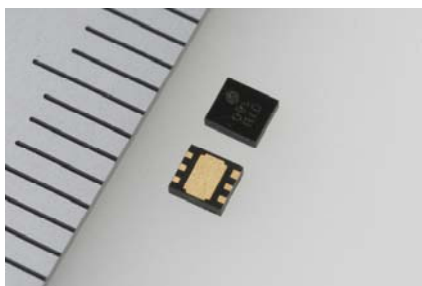
TOREX SEMICONDUCTOR LTD. (Chuo-Ku, Tokyo : President, Tomoyuki Fujisaka) announces the release of the XC6416 series of a dual LDO voltage regulators.

The XC6416 series, the sister product to our XC6401 and XC6415 series, is a Dual LDO Regulator IC that employs a CMOS process that provides high accuracy, low noise, high ripple rejection, and low dropout. In light load conditions with almost no load, it automatically goes into energy-saving mode reducing the current consumption to 5 $\mu$ A/ch. For the RF circuit that intermittently goes into a sleep mode, XC6416BB05ER ( $V_{OUT1}=2.85V$ ,  $V_{OUT2}=2.85V$ ) in the small package (1.8mm x 2.0mm) is the best option. Its 2-ch output voltages can be adjusted between 0.8 and 4.0v at 0.05v intervals using factory laser trimming.

GreenOperation function provides high speed operation, low power consumption and high efficiencies by automatically switching between a high speed mode (HS) and a power save mode (PS) depending on the load current level. The switching point of the GreenOperation to the output current is being fixed inside the IC, thus providing operating conditions with the most suitable level of supply current for the application. In addition, the small packages, SOT-26 and UPS-6C, help designers to achieve space-saving circuit design.

**【XC6416 Series Features】**

- Suitable for mobile device application
- Allows 2-ch output voltages to be adjusted between 0.8 and 4.0v at 0.05v intervals
- Provides environmentally friendly features such as energy-saving mode and GreenOperation capability
- Allows the EN input to power off each regulator to leave it in standby state
- Suitable for space-saving design thanks to its small packages



▲USP-6C (1.8 x 2.0 x 0.6mm)

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