

PRESS RELEASE

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XC6119 Series Voltage Detectors With Low 0.7 V Voltage Drive and Release Delay Circuit in a Small 0.9 mm x 1.2 mm Package

TOREX SEMICONDUCTOR LTD. (Chuo-Ku, Tokyo: President, Tomoyuki Fujisaka) has developed the XC6119 Series of voltage detectors with an internal release delay circuit in a small package.

The XC6119 series has been incorporated in the new USPN-4 package (0.9 x 1.2 x h0.4mm) to achieve a size reduction of about 74% over the previous SSOT-24 package (2.1 x 2.0 x h1.1mm).

Using a CMOS process, drive from a low voltage of 0.7V is possible, with a voltage detection range of 0.8V to 5.0V (0.1V increments). A delay circuit is incorporated and a capacitor can be connected to the delay capacitance pin, allowing any release delay to be set. There are two types of output circuits, a CMOS output and an N-ch open drain output.

This series is ideal for use in the power-on reset of microcomputer systems, in battery voltage monitoring circuits, in backup power switching circuits, and other applications.

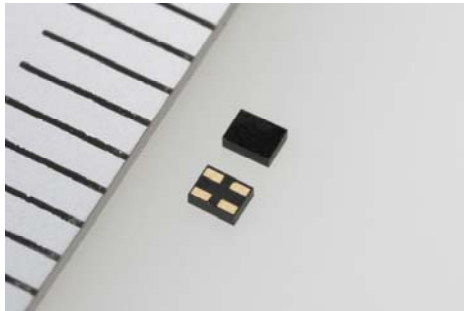
【XC6119 Series Features】

Low 0.7V voltage drive is possible.

Internal delay circuit. Release delay time can be adjusted with an external capacitor.

Low quiescent current of 0.5 μ A typical (detection state, $V_{DF}=1.0V$, $V_{IN}=0.9V$) and 0.9 μ A typical (release state, $V_{DF}=1.0V$, $V_{IN}=1.1V$).

Small 0.9mm x 1.2mm package.



▲USPN-4 (0.9mm x 1.2mm x h0.4mm)

Torex Semiconductor Ltd. is a leading provider of CMOS power management ICs targeted toward battery powered and energy efficient applications. Torex specializes in CMOS analog technology, with LDO voltage regulators, voltage detectors and DC/DC converters making up our core product offering.

For further information, please contact:

Singapore: TOREX SEMICONDUCTOR (S) PTE LTD	Tel: +65-6745-1352	E-mail: tsp@torex.com.sg
USA: TOREX USA Corp.	Tel: +1-949-261-2022	E-mail: info@torex-usa.com
Europe: TOREX SEMICONDUCTOR EUROPE LIMITED	Tel: +44-1530-510190	E-mail: sales@torexsemi.co.uk