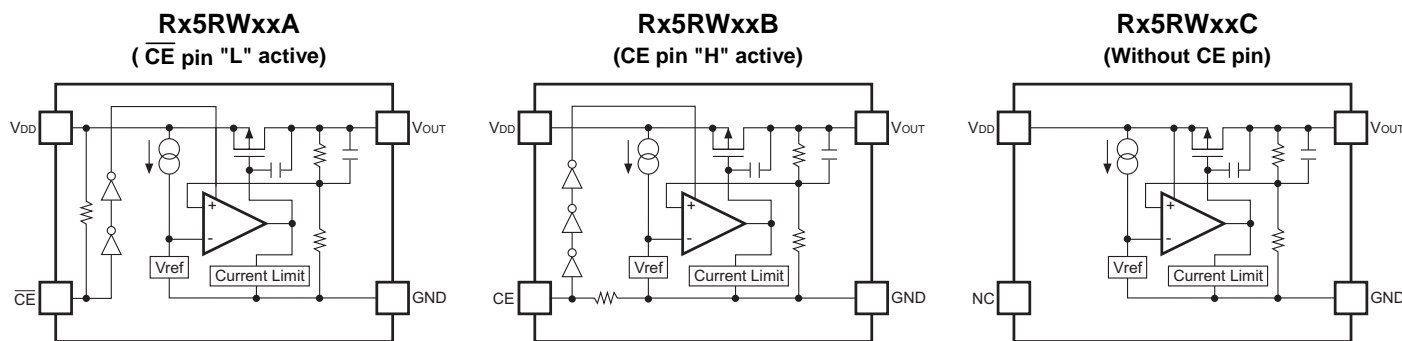


The Rx5RW Series are chip enable pin-equipped CMOS-based voltage regulators featuring 35mA to 80mA output. The polarity of the CE pin can be selected.

FEATURES

- Supply Current (I_{SS}) Typ. 1.5 μ A ($V_{IN}=\text{SET } V_{OUT}+2.0\text{V}$)
- Standby Current ($I_{standby}$) Typ. 0.1 μ A (in standby, except for C Version)
- Dropout Voltage (V_{DIF}) Typ. 0.04V ($I_{OUT}=1\text{mA}$, $V_{OUT}=2.8\text{V}$)
- Input Voltage Range (V_{IN}) Max. 8.0V
- Output Voltage Range (V_{OUT}) 1.5V to 6.0V (internally fixed)
- Output Voltage Accuracy $\pm 2\%$
- Temp. coeff. of Output Voltage Typ. $\pm 100\text{ppm}/^\circ\text{C}$
- Line Regulation Typ. 0.05%/V
- Fold-back Protection Circuit Current Limit Typ. 40mA
- Packages SON1612-6, SC-82AB

BLOCK DIAGRAMS



SELECTION GUIDES

Halogen Free	Package	Q'ty per Reel	Part No.
H/F	SON1612-6	4,000 pcs	RD5RWxx*A-TR-FE
H/F	SC-82AB	3,000 pcs	RQ5RWxx*A-TR-FE

xx : Specify the output voltage within the range of 1.5V (15) to 6.0V (60) in 0.1V steps.

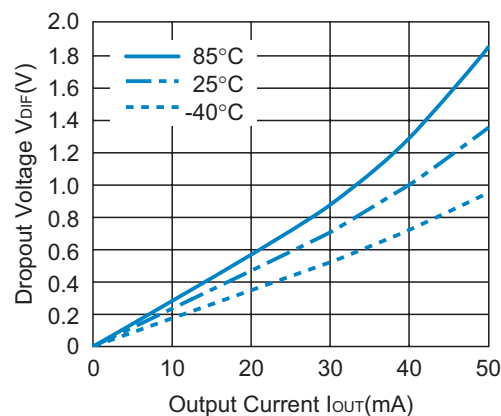
* : Select the polarity of the CE pin from (A) "L" active or (B) "H" active, (C) without chip enable.

PACKAGES (Top View)

SON1612-6	SC-82AB																				
<table border="1"> <tr><td>1</td><td>$\overline{\text{CE}}$ or CE or NC</td></tr> <tr><td>2</td><td>V_{DD}</td></tr> <tr><td>3</td><td>V_{OUT}</td></tr> <tr><td>4</td><td>NC</td></tr> <tr><td>5</td><td>V_{DD}</td></tr> <tr><td>6</td><td>GND</td></tr> </table>	1	$\overline{\text{CE}}$ or CE or NC	2	V_{DD}	3	V_{OUT}	4	NC	5	V_{DD}	6	GND	<table border="1"> <tr><td>1</td><td>GND</td></tr> <tr><td>2</td><td>V_{DD}</td></tr> <tr><td>3</td><td>V_{OUT}</td></tr> <tr><td>4</td><td>$\overline{\text{CE}}$ or CE or NC</td></tr> </table>	1	GND	2	V_{DD}	3	V_{OUT}	4	$\overline{\text{CE}}$ or CE or NC
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4	$\overline{\text{CE}}$ or CE or NC																				

TYPICAL CHARACTERISTIC

Rx5RW30B Dropout Voltage vs. Output Current



APPLICATIONS

- Power source for hand-held communication equipment, cameras, and VCRs
- Very stable voltage reference
- Power source for battery-powered equipment



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Ricoh completed the organization of the Lead-free production for all of our products. After Apr. 1, 2006, we will ship out the lead free products only. Thus, all products that will be shipped from now on comply with RoHS Directive.