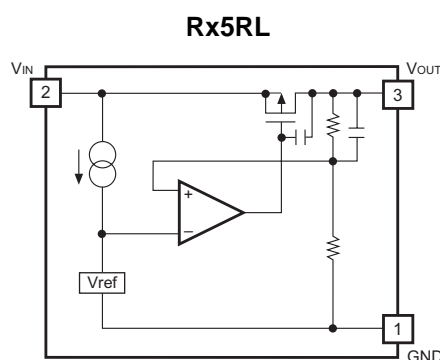


The Rx5RL Series are simple CMOS-based voltage regulators featuring 25mA to 55mA output.

FEATURES

- Supply Current (I_{SS}) Typ. 1 μ A ($V_{IN} = \text{SET } V_{OUT} + 2.0\text{V}$, $V_{OUT} = 2.8\text{V}$)
- Dropout Voltage (V_{DIF}) Typ. 0.04V ($I_{OUT} = 1\text{mA}$, $V_{OUT} = 2.8\text{V}$)
- Input Voltage Range (V_{IN}) Max. 10.0V
- Output Voltage Range (V_{OUT}) 2.0V to 6.0V (internally fixed)
- Output Voltage Accuracy $\pm 2.5\%$
- Temp. coeff. of Output Voltage Typ. $\pm 100\text{ppm}/^\circ\text{C}$
- Line Regulation Typ. 0.05%/V
- Packages SOT-23-5, SOT-89

BLOCK DIAGRAM



SELECTION GUIDES

Halogen Free	Package	Q'ty per Reel	Part No.
H/F	SOT-23-5	3,000 pcs	RN5RLxxAA-TR-FE
H/F	SOT-89	1,000 pcs	RH5RLxxAA-T1-FE

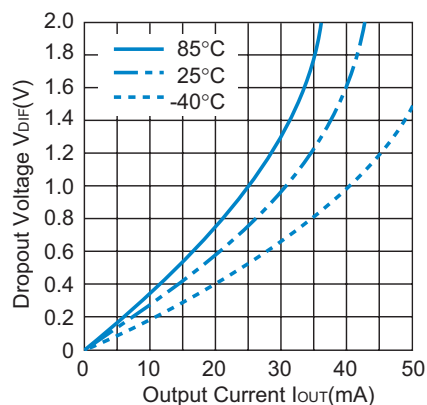
xx : Specify the output voltage within the range of 2.0V (20) to 6.0V (60) in 0.1V steps.

PACKAGES (Top View)

SOT-23-5	SOT-89																
<table border="1"> <tr><td>1</td><td>GND</td></tr> <tr><td>2</td><td>V_{IN}</td></tr> <tr><td>3</td><td>V_{OUT}</td></tr> <tr><td>4</td><td>NC</td></tr> <tr><td>5</td><td>NC</td></tr> </table>	1	GND	2	V_{IN}	3	V_{OUT}	4	NC	5	NC	<table border="1"> <tr><td>1</td><td>GND</td></tr> <tr><td>2</td><td>V_{IN}</td></tr> <tr><td>3</td><td>V_{OUT}</td></tr> </table>	1	GND	2	V_{IN}	3	V_{OUT}
1	GND																
2	V_{IN}																
3	V_{OUT}																
4	NC																
5	NC																
1	GND																
2	V_{IN}																
3	V_{OUT}																

TYPICAL CHARACTERISTIC

Rx5RL30A Dropout Voltage vs. Output Current



APPLICATIONS

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



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■ Ricoh awarded ISO 14001 certification.

The Ricoh Group was awarded ISO 14001 certification, which is an international standard for environmental management systems, at both its domestic and overseas production facilities. Our current aim is to obtain ISO 14001 certification for all of our business offices.

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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.