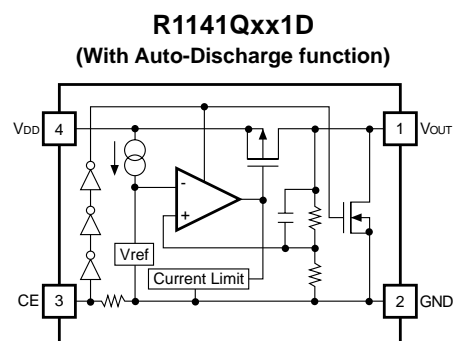
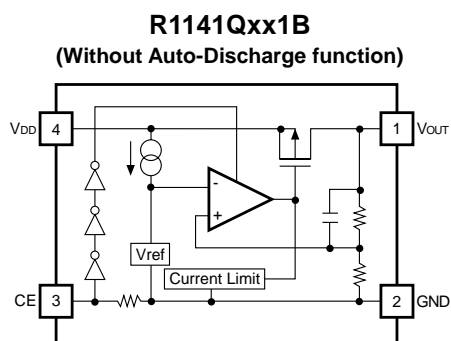


The R1141Q Series are CMOS-based LDO regulators featuring 120mA output. The SC-82AB package is available. Standby mode and auto-discharge function are also available (see Selection Guide). Ceramic capacitors can be used.

FEATURES

- Supply Current (I_{SS}) Typ. 90 μ A ($V_{IN} = \text{SET } V_{OUT} + 1.0\text{V}$)
- Standby Current ($I_{standby}$) Typ. 0.1 μ A (Same as above, CE="L")
- Dropout Voltage (V_{DIF}) Typ. 0.18V ($I_{OUT} = 120\text{mA}$, $V_{OUT} = 2.8\text{V}$)
- Ripple Rejection (RR) Typ. 75dB ($V_{OUT} \leq 2.4\text{V}$) ($f = 1\text{kHz}$)
Typ. 70dB ($V_{OUT} \geq 2.5\text{V}$) ($f = 1\text{kHz}$)
- Input Voltage Range (V_{IN}) 2.2V to 6.0V
- Output Voltage Range (V_{OUT}) 1.5V to 4.0V (internally fixed)
- Output Voltage Accuracy $\pm 1.5\%$ ($2.0\text{V} < V_{OUT} \leq 4.0\text{V}$)
 $\pm 30\text{mV}$ ($1.5\text{V} \leq V_{OUT} \leq 2.0\text{V}$)
- Temp. coeff. of Output Voltage Typ. $\pm 100\text{ppm}/^\circ\text{C}$
- Line Regulation Typ. 0.02%/V
- Fold-back Protection Circuit Current limit Typ. 40mA
- Package SC-82AB
- Ceramic capacitors can be used. ... 1 μ F to 2.2 μ F or more

BLOCK DIAGRAMS



SELECTION GUIDE

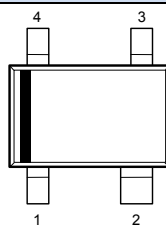
Halogen Free	Package	Q'ty per Reel	Part No.
H/F	SC-82AB	3,000 pcs	R1141Qxx1*-TR-FE

xx : Specify the output voltage within the range of 1.5V (15) to 4.0V (40) in 0.1V steps.

* : Select from (B) without auto-discharge function or (D) with auto-discharge function.

PACKAGE (Top View)

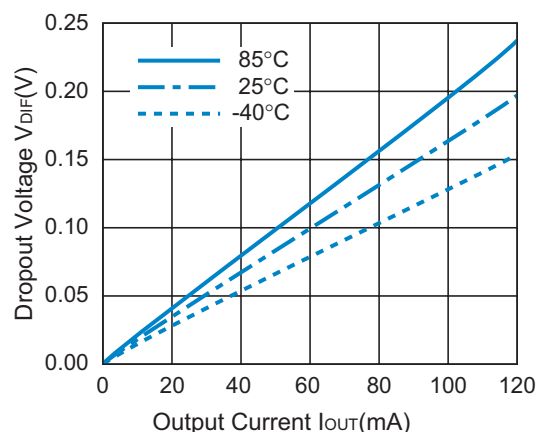
SC-82AB



1	V_{OUT}
2	GND
3	CE
4	V_{DD}

TYPICAL CHARACTERISTIC

R1141Q281x Dropout Voltage vs. Output Current



APPLICATIONS

- Power source for hand-held communication equipment, cameras, and VCRs
- Power source for battery-powered equipment
- Power source for home appliances



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■ Ricoh awarded ISO 14001 certification.

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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.