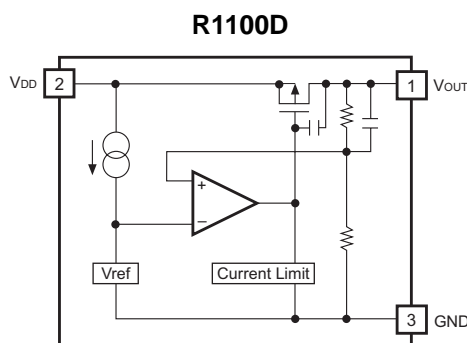


The R1100D Series are compact CMOS-based voltage regulators featuring 35mA to 100mA. R1100D is available in the SON1408-3 package, consequently providing a compact design.

FEATURES

- Supply Current (I_{SS}) Typ. 1.5 μ A ($V_{IN}=\text{SET } V_{OUT}+2.0\text{V}$, $V_{OUT}=2.8\text{V}$)
- Dropout Voltage (V_{DIF}) Typ. 0.025V ($I_{OUT}=1\text{mA}$, $V_{OUT}=2.8\text{V}$)
- Input Voltage Range (V_{IN}) Max. 6.0V
- Output Voltage Range (V_{OUT}) 0.9V to 4.0V (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
- Package SON1408-3

BLOCK DIAGRAM



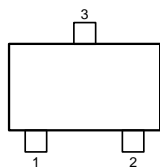
SELECTION GUIDE

Halogen Free	Package	Q'ty per Reel	Part No.
H/F	SON1408-3	9,000 pcs	R1100Dxx1C-TR-F

xx : Specify the output voltage within the range of 0.9V (09) to 4.0V (40) in 0.1V steps.

PACKAGE (Top View)

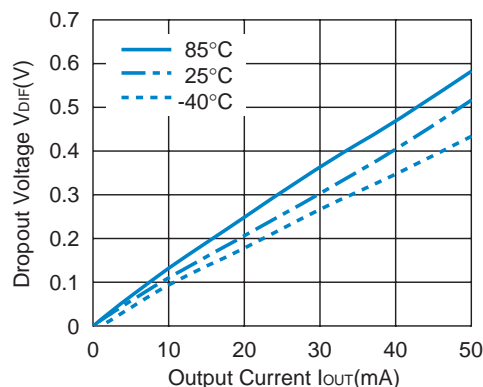
SON1408-3



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

TYPICAL CHARACTERISTIC

R1100D301C 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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Ricoch continually strives to promote customer satisfaction, and shares the achievements of its management quality improvement program with people and society.



■ 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.