


[简体中文](#) | [繁體中文](#) | [한국어](#) | [日本語](#)
Text Size [A](#) [A](#)Site Search 

Search

[Site Map](#)

HOME, Products &gt; ICs &gt; Power Management ICs &gt; Power Management IC Series for Mobile Phones &gt; BH6179GU

|                                                                                         |
|-----------------------------------------------------------------------------------------|
| ICs                                                                                     |
| <a href="#">EEPROMs</a>                                                                 |
| <a href="#">Clock Generators</a>                                                        |
| <a href="#">Voltage Detector ICs</a>                                                    |
| <a href="#">Motor Drivers</a>                                                           |
| <b><a href="#">Power Management ICs</a></b>                                             |
| <a href="#">78 Series Regulators</a>                                                    |
| <a href="#">LDO Regulators</a>                                                          |
| <a href="#">CMOS LDO Regulators Series for Portable Equipments</a>                      |
| <a href="#">Single-chip Type with built-in FET</a>                                      |
| <a href="#">Large Current External FET Controller Type</a>                              |
| <a href="#">For PCs and Digital Consumer Products</a>                                   |
| <a href="#">For Mobile Phone</a>                                                        |
| <a href="#">High-performance Regulator IC Series for PCs</a>                            |
| <a href="#">System Power Supply ICs for CCD Cameras in Mobile Phones</a>                |
| <a href="#">System Power Supply for TV Series</a>                                       |
| <a href="#">Power Supply IC Series for TFT-LCD Panels</a>                               |
| <a href="#">System Power Supply ICs for Blu-ray Drives</a>                              |
| <a href="#">For Digital Still Cameras and Digital Video Cameras Regulator IC Series</a> |
| <a href="#">System Power Supply ICs for Automotive Camera Modules</a>                   |
| <a href="#">Power Management IC Series for Automotive Body Control</a>                  |
| <a href="#">Charge protection IC Series with Built-in FET</a>                           |
| <a href="#">LED / LCD Drivers</a>                                                       |
| <a href="#">Sensor ICs</a>                                                              |
| <a href="#">Operational Amplifiers / Comparators</a>                                    |
| <a href="#">Analog Switches / Logics ICs</a>                                            |
| <a href="#">D/A Converter Series for Electronic Adjustments</a>                         |
| <a href="#">IT Equipment / Interface ICs</a>                                            |
| <a href="#">Video and Imaging ICs</a>                                                   |
| <a href="#">Audio ICs</a>                                                               |
| <b>Discrete Semiconductors</b>                                                          |
| <b>Opto Electronics</b>                                                                 |

## High-efficiency Power Management IC

BH6179GU **NEW**☒ [Inquiries concerning our products](#)☒ [Data Sheets](#)☒ [Uses](#)☒ [ROHM Internet Direct Shopping](#)☒ [Approach to Quality](#)☒ [RoHS directive compliance](#)☒ [Contact us](#)

Data Sheet

**Package****RoHS**

Quality and reliability information

Application notes

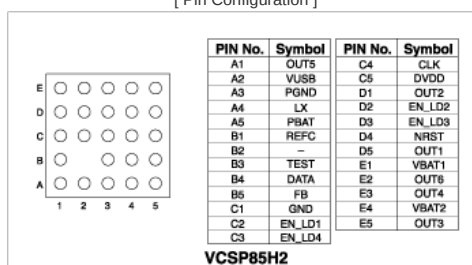
Design Model

[ Product description ]

A step-down DC/DC and a 6-channel LDO are built into a single chip and encapsulated in a compact CSP package, providing all of the voltages required in order to enable easy configuration of an application CPU power supply, while contributing to end-product miniaturization.

| Specifications                       |              |                             |
|--------------------------------------|--------------|-----------------------------|
| supply voltage (V)                   |              | 2.2 to 5.5                  |
| CH                                   | DCDC (ch)    | 1                           |
|                                      | LDO (ch)     | 6                           |
| Output voltage                       | DCDC (V)     | 0.8 to 2.35                 |
|                                      | LDO (V)      | 1.0 to 3.3                  |
| Number of output voltage STEP (Step) |              | 16                          |
| Maximum output current               | DCDC (mA)    | 600                         |
|                                      | LDO (mA)     | 300                         |
| I/F                                  |              | I <sup>2</sup> C + Parallel |
| Protection circuit Over current      | Over current | Yes                         |
|                                      | Temperature  | Yes                         |
|                                      | Low voltage  | Yes                         |
| Low Power Mode                       |              | Yes                         |
| Package size(mm)                     |              | 2.6×2.6×1.0                 |

[ Pin Configuration ]



### Features

- Built-in 1ch DC/DC converters, Iomax=600mA
- Built-in 6ch LDO regulators
- LDO ON / OFF control by either enable pins or by I<sup>2</sup>C registers selectable

\*The contents described here are just outline for introduction.

Please obtain the specification sheets from us for thorough check before use.

### Status Product

| Part No.    | Package (PDF)      | Status * | RoHS | Constitution materials list | Packing Type           | Unit Quantity | Minimum Packaging Quantity | Samples | Sales                   |
|-------------|--------------------|----------|------|-----------------------------|------------------------|---------------|----------------------------|---------|-------------------------|
| BH6179GU-E2 | VCSP85H2(BH6179GU) | Active   | Yes  |                             | Embossed Tape And Reel | 3000          | 3000                       |         | <a href="#">Inquiry</a> |

\* Active: Production or current type Preview: Development

### Others

Please check the details on [Product List](#) for Others.

[Passive Components](#)

[Modules  
\(Sub Systems\)](#)



[Top of Page](#)

[Privacy Policy](#)

[Terms & Conditions](#)

Copyright © 1997-2010 ROHM Co., Ltd.