



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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

High-efficiency Power Management IC

BH6178GUL **NEW**

Inquiries concerning our products

- Data Sheets
- Uses
- ROHM Internet Direct Shopping
- Approach to Quality
- RoHS directive compliance
- Contact us

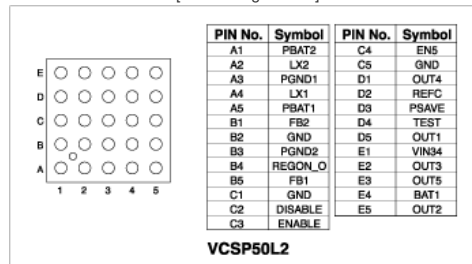
Data Sheet					
<table border="1"> <tr> <td>Package</td> <td>RoHS</td> <td>Quality and reliability information</td> <td>Application notes</td> <td>Design Model</td> </tr> </table>	Package	RoHS	Quality and reliability information	Application notes	Design Model
Package	RoHS	Quality and reliability information	Application notes	Design Model	

[Product description]

A step-down DC/DC and a 5-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)		2.7 to 4.5
CH	DCDC (ch)	2
	LDO (ch)	5
Output voltage	DCDC (V)	1.8 / 1.235
	LDO (V)	1.8/1.8/1.215/1.2/2.7
Number of output voltage STEP		-
Maximum output current	DCDC (mA)	650
	LDO (mA)	50
I/F		I ² C + Parallel
Protection circuit	Over current	Yes
	Temperature	Yes
	Low voltage	Yes
Low Power Mode		Yes
Package size(mm)		2.8×2.8×0.55

[Pin Configuration]



Features

- Built-in 2ch DC/DC converters, I_{omax}=400mA, 650mA
- Built-in 5ch LDO regulators
- Built-in LDO regulators and DC/DC converters with power save mode

*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
BH6178GUL-E2	VCSP50L2(BH6178GUL)	Active	Yes		Embossed Tape And Reel	3000	3000	Purchase	Inquiry

* Active: Production or current type Preview: Development

Others

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

Passive Components

Modules
(Sub Systems)



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