


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

Search

[Site Map](#)

HOME, Products > ICs > Power Management ICs > Power Management IC Series for Mobile Phones > BH6178GUL

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 Sheet

Package**RoHS**

Quality and reliability information

Application notes

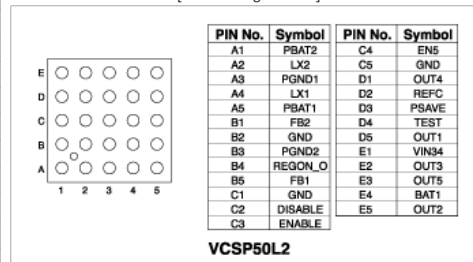
Design Model

[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

OthersPlease 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.