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High-efficiency Power Management IC

BH6178GUL **NEW**

Inquiries concerning our products

- Data Sheets
- Uses
- ROHM Internet Direct Shopping
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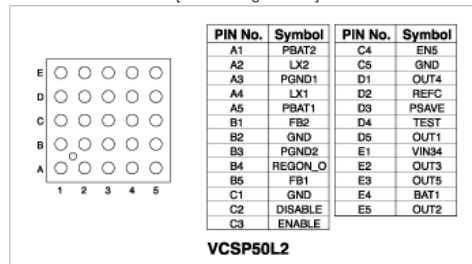
Data Sheet					
<table border="1"> <tr> <td>Package</td> <td>RoHS</td> <td>Quality and reliability information</td> <td>Application notes</td> <td>Design Model</td> </tr> </table>	Package	RoHS	Quality and reliability information	Application notes	Design Model
Package	RoHS	Quality and reliability information	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	<input type="button" value="Purchase"/>	<input type="button" value="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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