

LDO Regulator Pos 5V 0.2A Automotive 4-Pin(3+Tab) SOT-223 T/R

Manufacturer:	ROHM Semiconductor	<input type="text" value="BD450M2FP3-CE2 Image"/>
Package/Case:	SOT-223	Images are for reference only
Product Type:	Power Management ICs	<input type="button" value="Inquiry"/>
Lifecycle:	Active	

General Description

The BD4xxM2-C series are low quiescent regulators featuring 45 V absolute maximum voltage, and output voltage accuracy of $\pm 2\%$ (3.3 V or 5.0 V: Typ.), 200 mA output current and 40 μA (Typ.) current consumption. These regulators are therefore ideal for applications requiring a direct connection to the battery and a low current consumption. A logical "HIGH" at the CTL pin enables the device and "LOW" at the CTL pin not enables the device. (Only W: Includes switch) Ceramic capacitors can be used for compensation of the output capacitor phase. Furthermore, these ICs also feature overcurrent protection to protect the device from damage caused by short-circuiting and an integrated thermal shutdown to protect the device from overheating at overload conditions.

Key Features

Qualified for Automotive Applications

Wide Temperature Range:-40°C to +150°C

Wide Operating Input Range:3.0V to 42V

Low Quiescent Current:40 μA (Typ.)

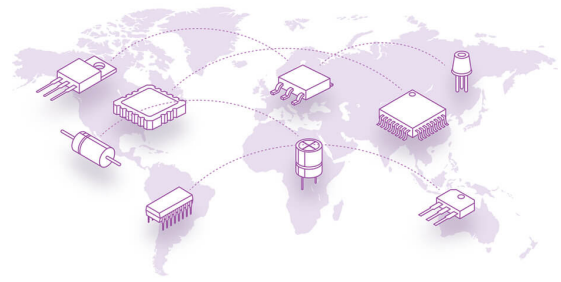
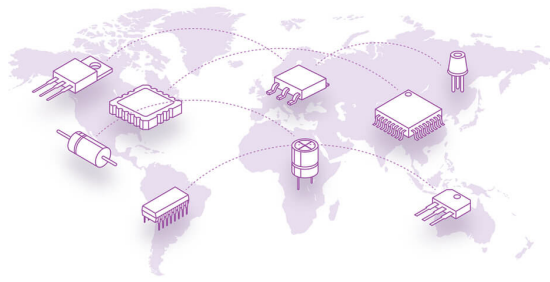
Output Current:200mA

High Output Voltage Accuracy: $\pm 2\%$

Over Current Protection (OCP)

Thermal Shutdown Protection (TSD)

AEC-Q100 Qualified



Recommended For You

BD5230G-TR

ROHM Semiconductor

SOT23-5

BD6222HFP-TR

ROHM Semiconductor

HRP7

BD6211F-E2

ROHM Semiconductor

SOP8

BD001A5MEFJ-ME2

ROHM Semiconductor

HTSOP8

BD6237FM-E2

ROHM Semiconductor

HSOP-M28

BD48K33G-TL

ROHM Semiconductor

SOT23

BD9G101G-TR

ROHM Semiconductor

SOT-23-6

BD9781HFP-TR

ROHM Semiconductor

TO263-7

BD00GA5WEFJ-E2

ROHM Semiconductor

HTSOP8

BD2204GUL-E2

ROHM Semiconductor

VCSP50L1

BD9D320EFJ-E2

ROHM Semiconductor

HTSOP8

BD2051AFJ-E2

ROHM Semiconductor

SOP8

BD450M5WFPJ-CZE2

ROHM Semiconductor

TO252-J5F

BD63860EFV-E2

ROHM Semiconductor

HTSSOP28

BD45272G-TR

ROHM Semiconductor

SOT23-5