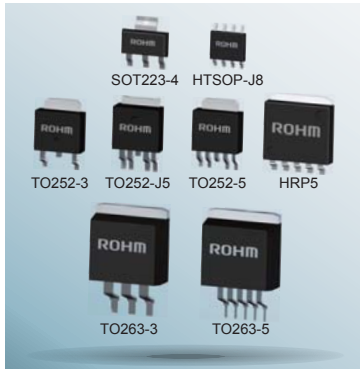


Automotive-Grade LDO Regulators (AEC-Q100 compliant)

BD4xxMx / BDxxC0A Series



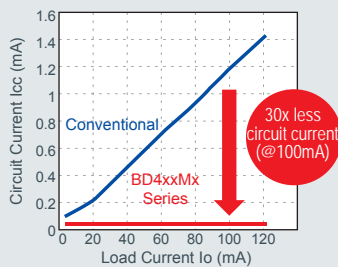
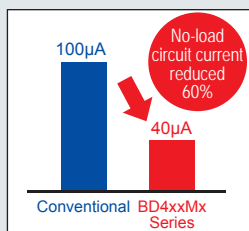
Comprehensive LDO regulator lineup for automotive applications (43 types)

Product Outline

ROHM offers a total of 43 different types of LDO regulators suited for automotive applications, including the BD4xxMx series designed for general electronic systems and the BDxxC0A series optimized for car infotainment. The BD4xxMx series features less than half the (no-load) current consumption of existing products, resulting in significant energy savings in automotive systems. In addition, both series are compatible with ceramic capacitors, eliminating the need for large capacitance electrolytic capacitors for oscillation prevention, contributing to end-product miniaturization.

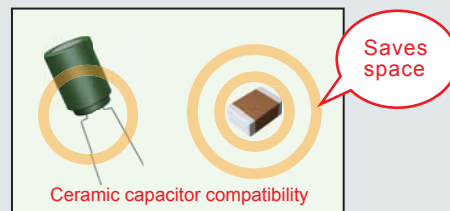
Low current consumption contributes to greater energy savings

60% less no-load circuit current than conventional products



Compatible with ceramic capacitors

Stable operation even when using low ESR ceramic capacitors for oscillation prevention

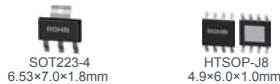


Broad automotive-grade lineup includes 43 different models to suit virtually any need

For MCU Applications in Body and Powertrain Systems

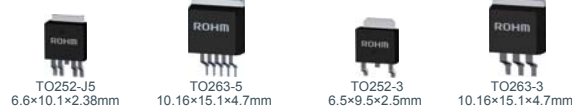
BD4xxM2 Series (45V Breakdown/200mA)

Output Voltage (typ.)		Package	Output Shutdown Switch Function
3.3V	5.0V		
BD433M2WFP3-C	BD450M2WFP3-C	SOT223-4	○
BD433M2WFP3-C	BD450M2WFP3-C	HTSOP-J8	
BD433M2WFP3-C	BD450M2WFP3-C	SOT223-4	—
BD433M2WFP3-C	BD450M2WFP3-C	HTSOP-J8	



BD4xxM5 Series (45V Breakdown/500mA)

Output Voltage (typ.)		Package	Output Shutdown Switch Function
3.3V	5.0V		
BD433M5WFPJ-C	BD450M5WFPJ-C	TO252-J5	○
BD433M5WFP2-C	BD450M5WFP2-C	TO263-5	
BD433M5FP-C	BD450M5FP-C	TO252-3	—
BD433M5FP2-C	BD450M5FP2-C	TO263-3	



- FI
- HEV/EV Inverters
- TPMS
- BCM
- Smart Keys
- HUDs
- LCD Monitors
- Cluster Systems

For Power Supplies in Information Systems (Various Output Levels/Package Types)

BDxxC0A Series (35V Breakdown/1A)

Output Voltage (typ.)					Package	Output Shutdown Switch Function
3.3V	5.0V	8.0V	9.0V	Variable		
BD33C0AWFP-C	BD50C0AWFP-C	BD80C0AWFP-C	BD90C0AWFP-C	BD00C0AWFP-C	TO252-5	○
BD33C0AFP-C	BD50C0AFP-C	BD80C0AFP-C	BD90C0AFP-C	—	TO252-3	—
BD33C0AWHFP-C	BD50C0AWHFP-C	BD80C0AWHFP-C	BD90C0AWHFP-C	BD00C0AWHFP-C	HRP5	○
BD33C0AHFP-C	BD50C0AHFP-C	BD80C0AHFP-C	BD90C0AHFP-C	—		—
BD33C0AWFP2-C	BD50C0AWFP2-C	BD80C0AWFP2-C	BD90C0AWFP2-C	BD00C0AWFP2-C	TO263-5	○
BD33C0AFP2-C	BD50C0AFP2-C	BD80C0AFP2-C	BD90C0AFP2-C	—	TO263-3	—



- Audio/navigation systems
- ETCs and the like
- Other applications such as heated seat controls

The content specified herein is for the purpose of introducing ROHM's products (hereinafter "Products"). If you wish to use any such Product, please be sure to refer to the specifications, which can be obtained from ROHM upon request. Great care was taken in ensuring the accuracy of the information specified in this document. However, should you incur any damage arising from any inaccuracy or misprint of such information, ROHM shall bear no responsibility for such damage. The technical information specified herein is intended only to show the typical functions of and examples of application circuits for the Products. ROHM does not grant you, explicitly or implicitly, any license to use or exercise intellectual property or other rights held by ROHM and other parties. ROHM shall bear no responsibility whatsoever for any dispute arising from the use of such technical information. If you intend to export or ship overseas any Product or technology specified herein that may be controlled under the Foreign Exchange and the Foreign Trade Law, you will be required to obtain a license or permit under the Law.

The content specified in this document is correct as of 12th June, 2014.

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