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Excellence in Electronics

**ROHM**

NEWS

Newsletter 11/2008

Dear Customer,

welcome to the November 2008 issue of Rohm's Email Newsletter. If you want to change your contact details or if you do not want to receive the Newsletter anymore please use the link at the end of this page.

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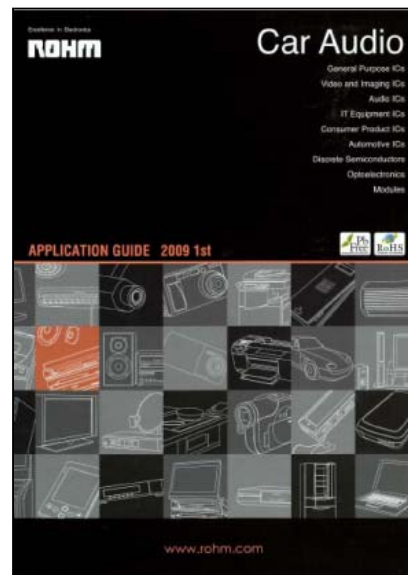
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## Car Audio Application Guide 2009 1st

ROHM creates a new Car Audio Application Guide with following items:

- \* General Purpose ICs
- \* Video and Imaging ICs
- \* Audio ICs
- \* IT Equipment ICs
- \* Consumer Product ICs
- \* Automotive ICs
- \* Discrete Semiconductors
- \* Optoelectronics
- \* Modules

[More Information on www.rohmeurope.com](http://www.rohmeurope.com)



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## BD5423MUV: Yet another high quality Class D Audio Amplifier!

By packaging the popular new 17W+17W stereo D-class audio amplifier BD5423EFS (4.5W HTSSOP-A44) in the smaller 3.3W QFN power package we now enable our customers to adopt this powerful stereo amplifier to more space sensitive applications, such as portable audio devices.

The new BU5423MUV was designed for use with its BTL (Bridge-Tied-Load) output, allowing highest possible efficiency of up to 91% at

Po=10W+10W at 12V, whilst preventing from any pop or click noise as well as problematic ground noise which is known from some Single-Ended audio amplifiers in the market.

Samples are available on request; the mass production of BD5423MUV has just ramped-up.

#### Features:

1. "Power limiter" function
2. High Reliability
3. High Efficiency is=91%(Po=10W ), low heat
4. High grade Soft Muting.
5. Master / Slave function for high quality cascading
6. Adjustable internal PWM sampling clock frequency
7. Built-in pop sound countermeasure circuit.  
(VCC on/off, immediate shut-off of power)

#### Specification:

High output :           17W+17W (Vcc=12V, RL=40hm)  
                              10W+10W (Vcc=12V, RL=80hm)  
Operating Voltage : +10 to +16.5V  
Operating Temp : -40 to +85°C

Besides this 17W+17W version ROHM offers a wide range of other new Class D Audio Amplifiers:  
BD5426EFS / BD5426MUV       10W+10W stereo  
BD5427EFS / BD5427MUV       7W+7W stereo  
BD5413EFV                       5W+5W stereo  
BD5460GUL / BD5461GUL       2.5W mono  
and more.

Many more Class-D Audio Amplifiers are under development. Please don't hesitate to contact us for further details!

[More Information on www.rohmeurope.com](http://www.rohmeurope.com)



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