

BU9437KN: New MP3 + WMA Music decoder with USB and SD-card Memory interfaces

By adding the Windows Media Audio (WMA) music decode function to its existing line-up of single chip MP3 audio decoders, ROHM now strengthens customers competitiveness in even more applications and regions globally. Besides the very popular MP3 audio playback, Windows Media audio content becomes more and more popular and end customers are keen to have the WMA playback function included in their audio sets.

When offering the first full speed USB2.0 host interface compatible MP3 decoder **BU9428KV** ROHM started to excite customers through its high integration level and high performance.

With the recently enhanced type **BU9435KV**, Rohm added the SD card interface to this IC whilst keeping the pin to pin and software command level compatibility to BU9428KV.

Based on the same package, also pin to pin and command level compatible to BU9435KV, Rohm added the WMA9 decoder and created the latest enhanced type called **BU9437KV**.

All three types have an integrated system controller, equipped with command software that can perform file searching, reading, decoding, and can switch between standalone and slave operation, minimizing development time. Slave mode allows software control by the microcontroller for complex processes such as filename and ID3 tag display, while standalone mode provides MP3 functionality to non-audio applications - even those without a CPU. The BU9437KV enables automatic playback of MP3 and WMA files stored on USB or SD memory, making it ideal for all types of audio devices, such as CD players, compact stereo systems, car audio, and clock radios.

Samples are available on request, the mass production of BU9437KV is planned to ramp up February 2008.

I/F format
 USB I/F 
 SD Card 

Decoder format
 MP3 
 WMA 

Playback info
 File No, Folder No,
 Playback time
 ID3 Tag
 File name, Folder name

Other
 X'tal: 16.93MHz
 V_{DD}: 3.3V
 Top: -40~+85° C



