

BU6930FV and the new BU6929FV offer cost efficient sound playback systems:

With the introduction of BU6929FV single channel playback Hi-Fi Voice Synthesis IC ROHM offers another even lower cost alternative to play back pre-recorded sound clips from a serial flash ROM.

ROHM's voice synthesis ICs utilize an original compression method and a 16bit DAC core, resulting in 4 times longer playback (compared with conventional systems) and CD-quality sound (via hardware processing). In addition, 2-channel simultaneous playback with auto fade-in/-out is possible with the BU6930FV without placing a burden on the CPU.

Part No.	Supply voltage (V)		Clock (MHz)	Interface	ROM size (bit)	DAC	Package	RoHS
	I/O	CORE						
NEW BU6929FV	2.7 to 3.6 (single)		16.384 to 2.048	Synchronous serial	Up to 128Mbit / External serial ROM	16bit	SSOP-B28	Yes
BU6930FV	2.7 to 3.6 (single)		16.384 to 2.048	Synchronous serial	Up to 128Mbit / External serial ROM	16bit	SSOP-B28	Yes

Samples are available on request. Both parts are reflow compatible, Pb-free, RoHS compliant and delivered taped on reel.

Applications: Voice guidance systems in white goods, industrial and consumer devices. Sound playback systems in kitchenware, elevators, security systems, medical devices, office automation, vending machines and others.

Application Circuit Example:

