

## Scrambler and Componder ICs

# LA8646W and LA8647W

### FEATURES

- Signal processing ICs for cordless telephones, with compander and scrambler (eavesdrop prevention) functions on a single chip
- Scrambler circuit uses a simple frequency-inversion system that inverts the signal frequency component.
- On-chip BTL amplifier supports ceramic receiver.
- Compact package (SQFP48) enables compact set design.
- Low supply voltage ( $V_{CCOP} = 1.8$  to  $5.5$  V)
- New noise-reduction system
- Supports direct input of scrambler carrier (LA8646W).
- External clock input system (LA8647W)
- 48-pin SQFP

