

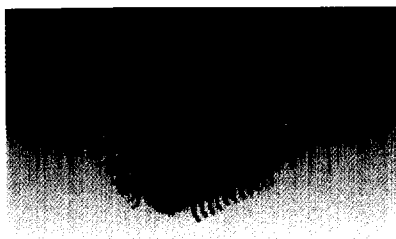
ANALOG CORDLESS TELEPHONE ICs

PRODUCT LINE UP

Device	Description	Package
AK2351F	Voice Band Filters with 2400bps MSK MODEM and COMPANDOR	44pin QFP 64pin LQFP
AK2353B	Voice Band Filters with 2400bps MSK MODEM, COMPANDOR and Scrambler	44pin QFP 64pin LQFP
AK2356E	Frequency Inverter for Cordless Telephone to keep privacy	24pin VSOP
AK2357	Voice Band Filters with MSK MODEM, COMPANDOR, Scrambler, Electronic Volumes and Dual PLL	44pin LQFP
AK2358/E	Voice Band Filters with 2400bps MSK MODEM, COMPANDOR, Scrambler and Electronic Volumes	24pin VSOP
AK2366	Frequency Inverter for Cordless Telephone to keep privacy with Input Op AMPS	24pin VSOP
AK2368	Voice Band Filters with 1200/2400bps MSK MODEM, COMPANDOR and Scrambler	24pin VSOP

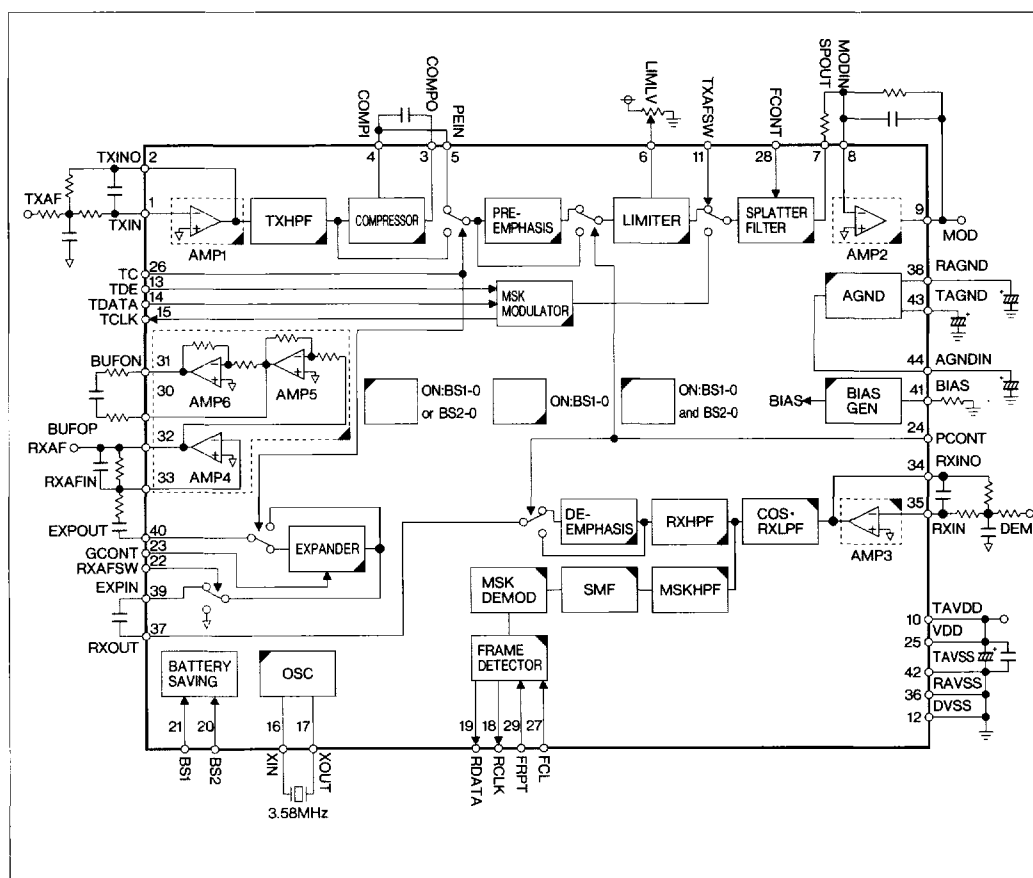
AK2351F

Voice Band Filter with MODEM and COMPANDOR



- ① Integrated voice band filters with MSK MODEM (2400bps) and COMPANDOR
- ② Low voltage operation: 1.9V~5.5V
- ③ Buffer amplifier for direct drive of a ceramic receiver
- ④ 3.58MHz oscillator
- ⑤ Pre-emphasis/De-emphasis bypass mode
- ⑥ Integrated frame detection function in MSK demodulator
- ⑦ Package: 44 pin QFP/64 pin LQFP (10×10×1.4mm)

44pin QFP (14×14×2.7mm)



AK2351F BLOCK DIAGRAM

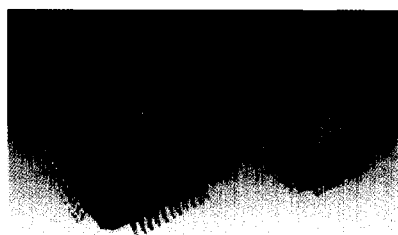
AKD2351F

AK2351F Evaluation Board

- ① Cordless telephone base band IC, AK2351F, evaluation board
- ② Scrambler chips (AK2356E) are also available
- ③ On board 3V regulator
- ④ DIP switch selection of control inputs
- ⑤ Analog interface: BNC connector
- ⑥ Digital interface: 24 pin header type connector
- ⑦ On board hand set modular jack

AK2353B

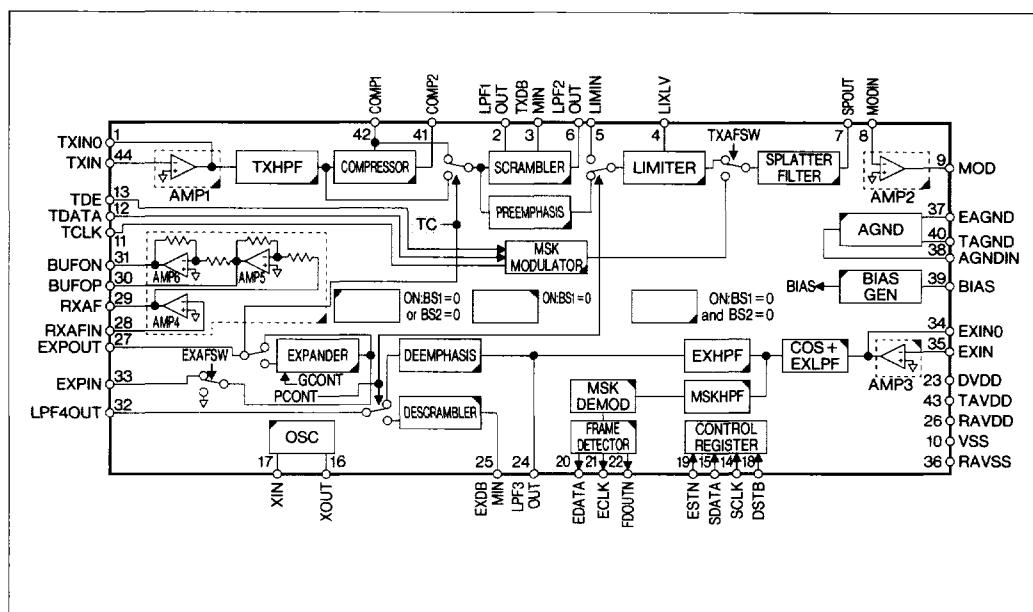
Voice Band Filter with MODEM, COMPANDOR and Scrambler



- ① Integrated voice band filters with MSK MODEM (2400bps), COMPANDOR and scrambler for cordless telephone sets
- ② Low voltage operation: 1.9V~5.5V
- ③ Buffer amplifier for direct drive of a ceramic receiver
- ④ 3.58MHz oscillator
- ⑤ Frequency inverter scrambler, 2 inversion frequencies are selectable
- ⑥ Frame detection
- ⑦ Package: 44 pin QFP/64 pin LQFP

44pin QFP (14×14×2.7mm)

64pin LQFP (10×10×1.4mm)



AK2353B BLOCK DIAGRAM