

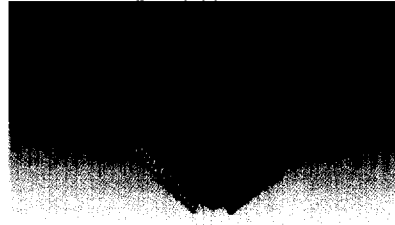
AKD2335

AK2335 Evaluation Board

- ① AMPS/TACS base band processor, AK2335, evaluation board
- ② Analog interface: BNC connector
- ③ Digital interface: 20 pin connector and 10 pin connector
- ④ Power supply: 3V or 5V
- ⑤ On board 4.8MHz crystal oscillator circuit for main clock or 14.4MHz TCXO clock input
- ⑥ Trimmer for COMPANDOR linearity adjustment
- ⑦ Trimmer for TX/RX DTMF tone level adjustment
- ⑧ Trimmer for VOX detect level adjustment
- ⑨ Serial/Parallel CPU interface
- ⑩ Programmable I/O available (At serial interface mode)
- ⑪ Universal area for your own circuits

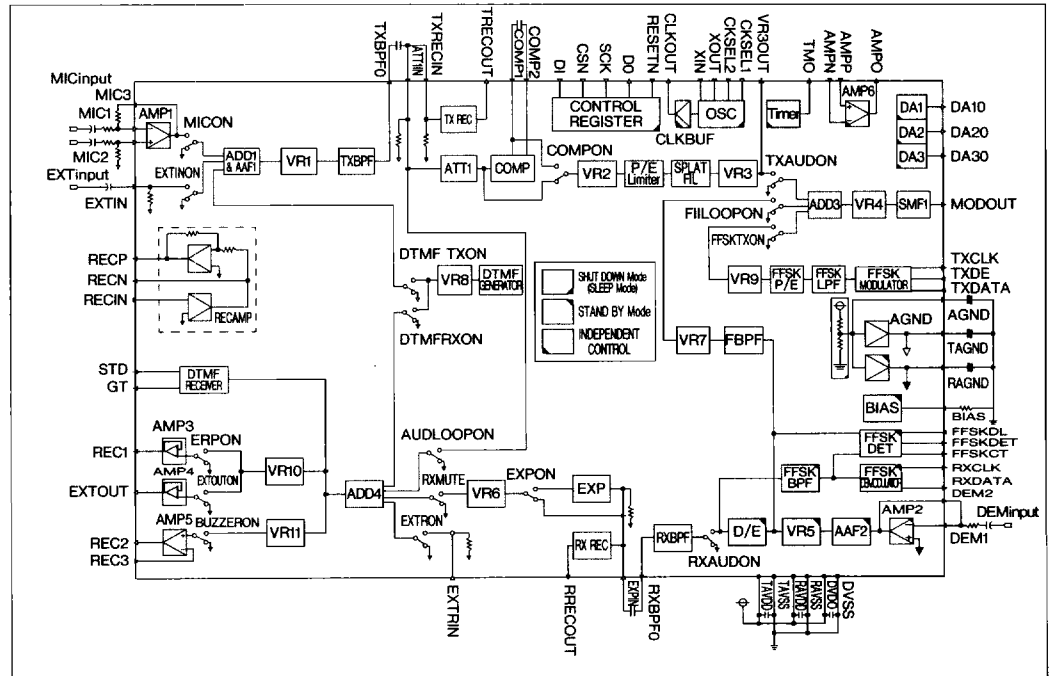
AK2339

CMOS Base-band Processor for NMT450/900



64pin LQFP (10×10×1.4mm)

- ① Single chip base band IC for NMT450 and NMT900
- ② CMOS Compandor
- ③ Voice signal processing circuits
- ④ ϕ -signal decoding and transponding circuits
- ⑤ FFSK (1200bps) generator/receiver
- ⑥ DTMF generator/receiver
- ⑦ Digital gain control at various points
- ⑧ Uncommitted 8 bit linear DAC×3
- ⑨ Uncommitted 8 bit Timer × 1
- ⑩ 14.4/4.8 MHz oscillator circuit
- ⑪ Single 2.7V to 5.5V power supply
- ⑫ Package: 64 pin LQFP



AK2339 BLOCK DIAGRAM

AKD2339

AK2339 Evaluation Board

- ① AK2339, NMT450 & NMT900 base band processor, evaluation board.
- ② Power supply: 3V or 5V.
- ③ On board 14.4MHz crystal oscillator module for main clock.
- ④ Analog interface: BNC typ.
- ⑤ Digital serial interface: 12 pin connector.
- ⑥ On board serial/parallel data converter for DIP switch control.
- ⑦ Trimmer for FFSK demodulator detect level adjustment.
- ⑧ Universal area for user's own circuits.