

AS2533/4/5

Universal Single Chip Telephone



Applications

Analogue Telephones, CT Base Stations, CITs, Intercom.

Standards

NET 4, 1TR2, CEPT, CCITT

Key Features

- ☐ Contains speech circuit, LD/MF repertory dialler and tone ringer, all on one 28 pin CMOS chip
- ☐ Soft clipping in both transmit and receive to prevent harsh distortion
- ☐ Volume control of receive signal with +/- keys or a VOL key (not AS2534)
- ☐ 31 digit last number redial and repeat dialling (not AS2535)
- ☐ Memories (not AS2534), 4 direct/10 indirect (AS2533), 12 direct (AS2534)
- ☐ Sliding cursor protocol and auto pause/wait for access codes and in-dialling
- ☐ 3-tone melody generator for tone ringing
- ☐ Very few external components

Key Specifications

- ☐ Typical Operating Current: 3 mA
- ☐ Retention Current: < 0.1 μ A
- ☐ Low noise: \leq -72 dBmp

Miscellaneous Information

The AS253X is a *true* single chip telephone. It incorporates a very high quality speech transmission and reception circuit. The wide range of pin options allows adaptations to a variety of PTT requirements.

Functional Equivalents

Enhanced AS2531/2

Documentation and Support

Data Sheet: AS2533/4/5

Brochure: 'Single Chip Telephone'

Application Notes: AN2201

Demo board on request

Ordering Information

See next page

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Ordering Information



Device	Package	Memories	Volume	Centrex	Special Keys
AS2533 T	28 pin SOIC	4 direct/10 indirect	VOL, +/-	A B C D	P/M, LNR, R1-3, MR, RP, PS, T/P
AS2533 P	28 pin DIP	4 direct/10 indirect	VOL, +/-	A B C D	P/M, LNR, R1-3, MR, RP, PS, T/P
AS2534 T	28 pin SOIC	none	no	A B C D	P/M, LNR, R1-3, RP, PS, T/P
AS2534 P	28 pin DIP	none	no	A B C D	P/M, LNR, R1-3, RP, PS, T/P
AS2535 T	28 pin SOIC	12 direct	VOL, +/-	no	P/M, LNR, R1-3
AS2535 P	28 pin DIP	12 direct	VOL, +/-	no	P/M, LNR, R1-3