

AS2514

Handsfree, Loudhearing and Tone Ringer

Applications

Handsfree Telephones, CT Base Stations, CITs.

Standards

NET 4, 1TR2, ETR2

Key Features

- Contains handsfree, loudhearing, anti-Larsen, melody generator, ring frequency detection, dc/dc converter
- Anti clipping circuit to prevent harsh distortion
- Amplifier gain controllable via 2-wire bus or +/- keys
- Power derived from ring signal during ringing
- Melodies selectable via 2-wire bus or pin options
- Dynamic voice control with on chip timings
- Voice control independent of background noise
- Very few external components

Key Specifications

- Typical Operating Current: 1.8 mA
- Operating Voltage Range: 2.5V to 6V
- Typical Output Noise at Loudspeaker Outputs: -75 dBmp

Miscellaneous Information

Novel voice controlled handsfree virtually independent of any background noise. The combination of handsfree/loudhearing and tone ringing on the same circuit allows the use of one common loudspeaker for both.

Functional Equivalents

None

Documentation and Support

Data Sheet: AS2514

Application Notes: AN 1063, AN 1074

Ordering Information

AS2514 P	28 pin DIP
AS2514 N	28 pin PLCC