

Description

The μPC7161L is a subscriber line interface circuit (SLIC) IC for electronic exchanges. It provides battery feed to the subscriber line, supervision of the subscriber line, and 2-wire/4-wire interfacing. Excellent longitudinal balance and gain variation with level can be obtained using a high-precision operation amplifier and metallic thin-film resistors for transmitting and receiving signals.

The power-down mode is provided for this device to reduce power consumption in the on-hook state.

The μPC7161L provides excellent characteristics and can be used for domestic private branch exchanges (PBXs) and for PBXs overseas.

Features

- B (battery feed control), S (supervision), and H (2-wire/4-wire hybrid interfacing)
- Constant-resistance voltage supply: -48 V
- Longitudinal balance: 56 dB minimum (60 to 3400 Hz)
- Longitudinal induction: 23 dBrc maximum
- Return loss: 25 dB minimum
- Impedances, such as input impedance and balancing impedance of the subscriber line interface circuit, can be set externally
- Single-chip bipolar monolithic IC
- Power consumption: 380 mW typical (on-hook)
 150 mW typical (off-hook)

Ordering Information

Part Number	Package
μPC7161L	32-pin PLCC

Block Diagram

