

# TELECOMMUNICATIONS CIRCUITS

## MICROPHONE AMPLIFIER FOR TELEPHONE CIRCUITS

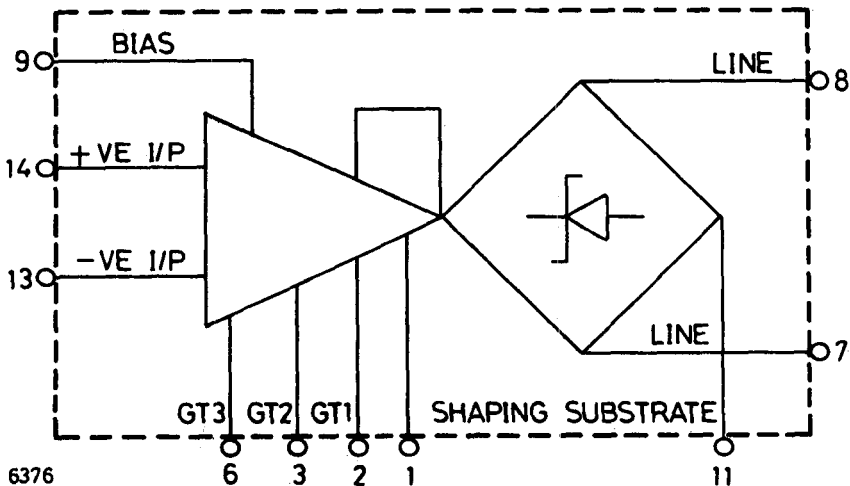
ZN470E

A microphone amplifier developed in conjunction with British Telecom for use with an electret transducer, to replace the carbon transmitter. The amplifier contains a bridge to allow dual polarity operation. The high input impedance makes it suitable for use with high or low impedance microphones providing the microphone gives a high output voltage.

The ZN470 is available in a 14 lead, high dissipation moulded D.I.L. (E14).

### FEATURES

- Dual supply polarity operation
- Direct matching to electret transducers
- 4 gain settings by adjustable links
- Operates over 1 mA to 100mA line current
- 220mA continuous overload capacity
- Low noise
- Low distortion
- Operates on telephone supply lines
- Monolithic construction
- Minimum external components in telephone circuits



System Diagram