

Le87511

PLC Single Channel Line Driver BD870 Series

The Le87511 is a single channel line driver designed to work in home network G.hn power line communication systems. The Le87511 contains a pair of wideband amplifiers designed with Microsemi's HV30 Bipolar SOI process for low power consumption. The line driver gain is fixed internally. The amplifiers are powered from a single supply. The device can be programmed to one of four preset bias levels to optimize power and performance. A disable state forces the line driver into a low-power, high impedance mode for receive transmissions.

Features & Benefits

- High Voltage Gain - 25 dB
- Operation to 86 MHz
- Class AB Operation
- Low Power Operation
- Capable of Driving Line Impedance Between 50 Ω to 200 Ω
- Enable/Disable Control
- Small 16-pin, 4x4 mm QFN Package
- RoHS compliant

Typical Applications

- Power Line Communications (PLC)
- Home Networking
- HPNA
- G.HN

Part Number	Package Type	Pin Count	Lead-Free Option	Shipping Option(s)
Le87511NQC	QFN	16	GREEN	Tray
Le87511NQCT	QFN	16	GREEN	TR

