PEB 4065 (HV-SLIC) General Description

The High Voltage Subscriber Line IC PEB 4065 is a rugged and reliable interface between the telephone line and the SLICOFI, a low voltage Subscriber Line Interface and Codec Filter IC. The PEB 4065 is fabricated in a Smart Power Technology offering a breakthrough voltage of at least 170 V.

The PEB 4065 provides battery feeding between – 24 V and – 80 V and internal ringing injection with a differential ring voltage up to 85 Vrms. In order to achieve these high amplitudes an auxiliary positive battery voltage is used during ringing. This voltage can also be applied in order to drive very long telephone lines.

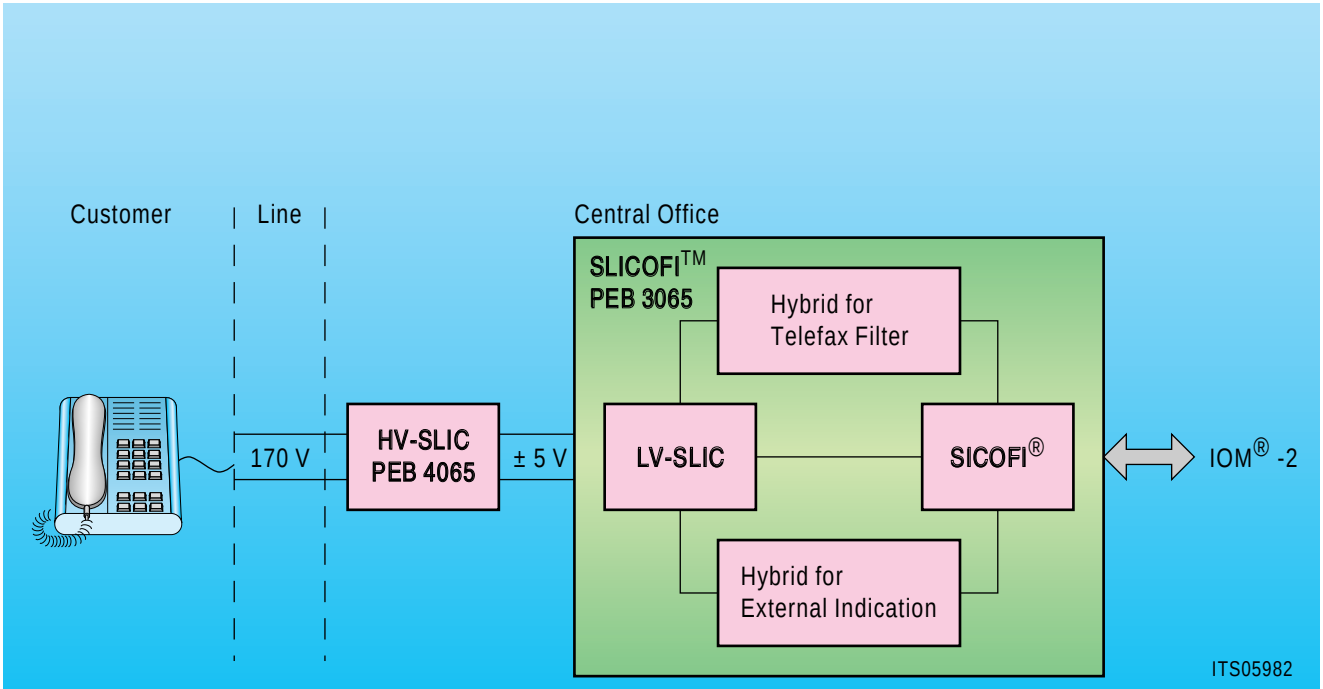
The HV-SLIC is designed for a voltage feeding current sensing line interface concept and provides sensing of transversal and longitudinal current on both wires.

There is a power-down mode reducing power consumption while providing all supervision functions and a power-denial mode where the device is switched off turning the line outputs to a high impedance state.

Type	Package
PEB 4065-T	P-DSO-20-5 (SMD)
PEF 4065-T	P-DSO-20-5 (SMD)

PEB 4065 (HV-SLIC) Features

- High voltage line feeding
- Internal ring and metering signal injection
- Sensing of transversal and longitudinal line current
- Reliable 170 V Smart Power Technology
- Battery voltage – 24 V…– 80 V
- Boosted battery mode for long telephone lines and up to 85 Vrms balanced ringing
- Polarity reversal
- Small P-DSO-20-5 power package
- Also available with extended temperature range – 40 °C to 85 °C (PEF 4065-T)



Block Diagram