



LH1465 ISDN dc Termination IC for MLT Support

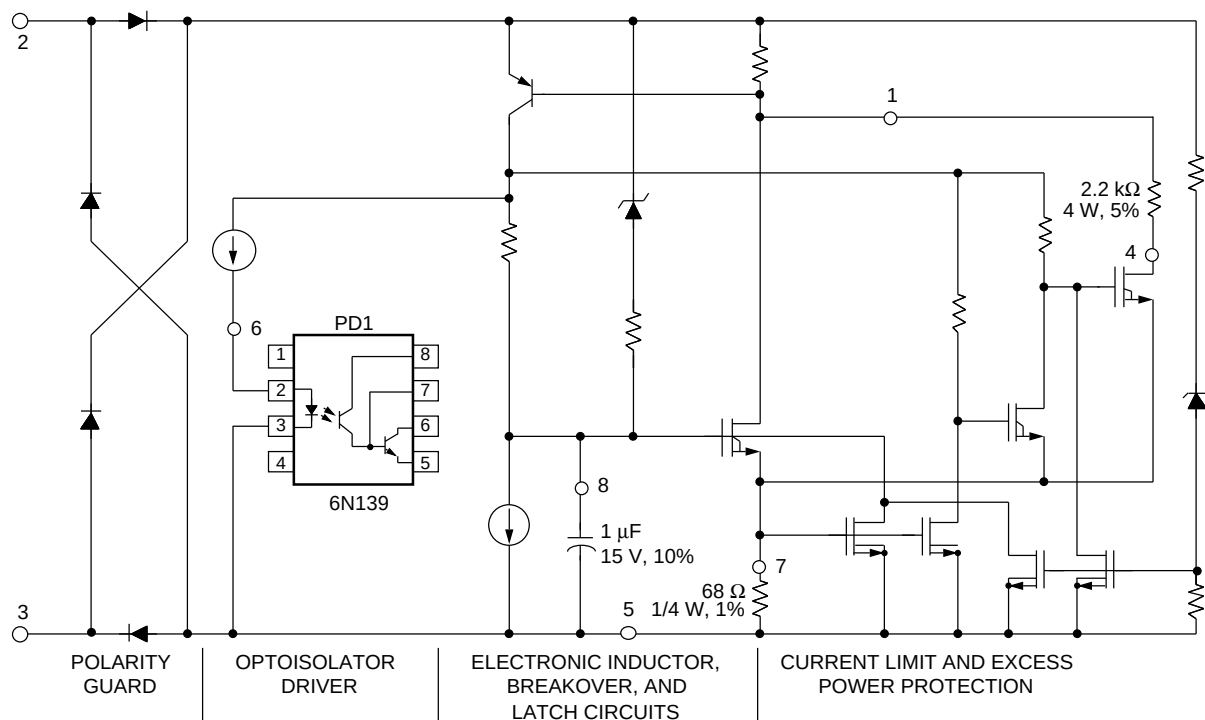
Features

- ISDN dc loop termination
- MLT compatible
- Compatible with ANSI standards
- Loop powered

Device	Package	Temperature
LH1465AB	8-Pin DIP	-40 °C to +85 °C
LH1465AAE	16-Pin SOG	-40 °C to +85 °C

Description

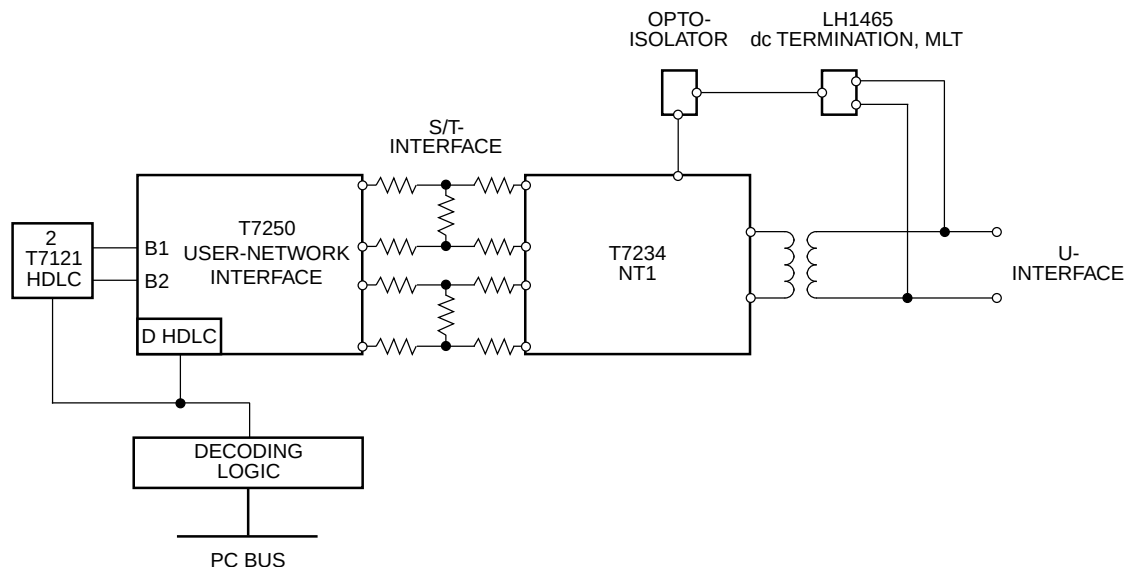
The LH1465 ISDN dc Termination IC is used on 2-wire digital subscriber lines at the NT1. The device provides a polarity-insensitive dc termination for the loop sealing current and a recognizable signature for metallic loop termination (MLT). The LH1465 IC consists of two functional blocks. The first provides the electronic inductor and silicon-controlled rectifier portion of the dc termination, while the second drives the LED of a 6N139 optoisolator. The LH1465 is the only existing chip that provides integration of the dc termination and MLT required in North American ISDN terminal equipment.



12-1947(F)

Figure 1. LH1465 Block Diagram

Application Diagram



5-4421dF

Figure 2. LH1465 Application: Passive ISDN Terminal Adapter

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