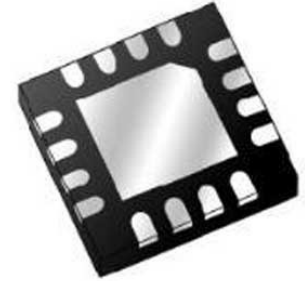


ADSL Driver Single 16-Pin QFN EP T/R



Images are for reference only

[Inquiry](#)

Manufacturer: [Renesas Technology Corp](#)

Package/Case: QFN-16

Product Type: Drivers

RoHS: RoHS Compliant/Lead free 

Lifecycle: Obsolete

General Description

The ISL1557 is a dual operational amplifier designed for VDSL2 and ADSL line driving in DMT based solutions. This device features a high drive capability of 750mA while consuming only 6mA of supply current per amplifier and operating from a single 4.5V to 12V supply. The driver achieves a typical distortion of -80dBc at 150kHz into a 25Ω load.

The ISL1557 is available in the thermally-enhanced 16 Ld QFN and 10 Ld HMSOP package and is specified for operation across -40°C to +85°C (IRZ, IUEZ) or -40°C to +125°C (FRZ) temperature ranges. The ISL1557 has control pins C0 and C1 for controlling the bias and enable/disable of the outputs. These controls allow for lowering the power to fit the performance/power ratio for the application.

The ISL1557 is ideal for ADSL2+, SDSL, HDSL2, and VDSL line driving applications, including both 14.5dBm and 21dBm applications.

Key Features

ISL1557IRZ, ISL1557FRZ: ±2.25V to ±6V, 4.5V to 12V

ISL1557IUEZ: 4.5V to 12V

300MHz bandwidth

Thermal shutdown

Pb-free (RoHS compliant)

VDSL2 line drivers

Power line communications line drivers

ADSL2+ CPE line driving

G.SHDSL and HDSL2 line drivers

Recommended For You

ISL1556IRZ

Renesas Technology Corp

QFN

ISL15110IRZ

Renesas Technology Corp

QFN

ISL1539IVEZ-T13

Renesas Technology Corp

HTSSOP24

EL1517BISZ

Renesas Technology Corp

SOP-8

ISL1556IUEZ

Renesas Technology Corp

MSOP10

EL1517ISZ

Renesas Technology Corp

SOP-8

EL1517ISZ-T7

Renesas Technology Corp

SOP-8

ISL1550IRZ

Renesas Technology Corp

QFN-16

ISL1541IRZ

Renesas Technology Corp

QFN-24

ISL15102IRZ

Renesas Technology Corp

QFN24

ISL1539IRZ-T7

Renesas Technology Corp

QFN

ISL1557FRZ-T7

Renesas Technology Corp

QFN-16

ISL1557AIUEZ-T7

Renesas Technology Corp

HMSOP-10

ISL15102IRZ-T13

Renesas Technology Corp

QFN24

ISL15100IRZ-T7

Renesas Technology Corp

QFN16