

Buffer/Repeater 3.3V 6-Pin SC-70**Manufacturer:** [Maxim Integrated](#)**Package/Case:** SC70-6**Product Type:** Drivers**Lifecycle:** Obsolete

Images are for reference only

[Inquiry](#)**General Description**

The MAX9180 is a 400Mbps, low-voltage differential signaling (LVDS) repeater, which accepts a single LVDS input and duplicates the signal at a single LVDS output. Its low-jitter, low-noise performance makes it ideal for buffering LVDS signals sent over long distances or noisy environments, such as cables and backplanes.

Application

Ultra-low, 23ps

P-P

RMS

The MAX9180 has fail-safe circuitry that sets the output high for undriven open, short, or terminated inputs.

The MAX9180 operates from a single 3.3V supply and consumes only 10mA over a -40°C to +85°C temperature range. Refer to the MAX9129 data sheet for a quad bus LVDS (BLVDS) driver, and to the MAX9181 data sheet for a low-jitter, low-noise 400Mbps LVPECL-to-LVDS level translator in an SC70 package.

Applications

Add/Drop Multiplexers

Cable Repeaters

Cell Phone Base Stations

Digital Cross-Connects

DSLAMs

Multidrop Buses

Network Routers and Switches

Recommended For You

MAX232ESE+

Maxim Integrated

SOP16

MAX14830ETM+

Maxim Integrated

TQFN48

MAX483ESA+

Maxim Integrated

SOP8

MAX232ACSE+T

Maxim Integrated

SOP-16

MAX6675ISA+T

Maxim Integrated

SOP-8

MAX7300AAX+

Maxim Integrated

SSOP-36

MAX485CPA+

Maxim Integrated

DIP8

MAX232CSE+

Maxim Integrated

SOP16

MAX3100EEE+

Maxim Integrated

SSOP16

MAX31855KASA+

Maxim Integrated

SOP-8

MAX22246CAWA+

Maxim Integrated

SOP-8

MAX3140CEI+

Maxim Integrated

SSOP28

MAX9860ETG+T

Maxim Integrated

TQFN-24

MAX3344EEUE+

Maxim Integrated

TSSOP-16

MAX14830ETM+T

Maxim Integrated

TQFN48