

Digital Isolator Three State 1-CH 110MBd 8-Pin SOIC Tube



Images are for reference only

[Inquiry](#)

Manufacturer: [Broadcom Corporation](#)

Package/Case: SOP-8

Product Type: Drivers

Lifecycle: Active

General Description

The HCPL-09xx CMOS digital isolators feature high speed performance and excellent transient immunity specifications. The symmetric magnetic coupling barrier gives these devices a typical pulse width distortion of 2 ns, a typical propagation delay skew of 4 ns and 100 Mbaud data rate, making them the industry's fastest digital isolators.

The single channel digital isolators (HCPL-9000/0900) features an active-low logic output enable.

They are available in 8-pin PDIP, 8-pin Gul Wing, 8-pin SOIC packages, and 16-pin SOIC narrow-body and wide-body packages. They are specified over the temperature range of -40 Deg C to 100 Deg C. CAUTION: It is advised that normal static precautions be taken in handling and assembly of this component to prevent damage and/or degradation, which may be induced by ESD.

Key Features

- 3.3V and 5V CMOS compatible
- 3 ns max. pulse width distortion
- 6 ns max. propagation delay skew
- 15 ns max. propagation delay
- High speed: 100 MBd
- 15 kV/us min. common mode rejection
- Tri-state output
- 2500V RMS isolation
- UL1577 and IEC 61010-1 approved

Options available are:

Application

- Digital fieldbus isolation
- Multiplexed data transmission
- Computer peripheral interface
- High speed digital systems
- Isolated data interfaces
- Logic level shifting

Recommended For You

HCPL-0900-000E

Broadcom Corporation
SOP-8

HCPL-9030

Broadcom Corporation
SOP-8

HCPL-900J-000E

Broadcom Corporation
DIPSOP

HCPL-090J-000E

Broadcom Corporation
SOP-8

HCPL-090J

Broadcom Corporation
SOP16

HCPL-9000

Broadcom Corporation
DIP-8

HCPL-9031-000E

Broadcom Corporation
DIPSOP

HCPL-091J-000E

Broadcom Corporation
SOP16

HCPL-0900-500E

Broadcom Corporation
SOP-8

HCPL-9030-000E

Broadcom Corporation
SOP-8

HCPL-9000-000E

Broadcom Corporation
DIPSOP

HCPL-091J-500E

Broadcom Corporation
SOP16

LSI53C1030

Broadcom Corporation
BGA

LSI53C1000

Broadcom Corporation
BGA

NET2280REV1A-LF

Broadcom Corporation
QFP