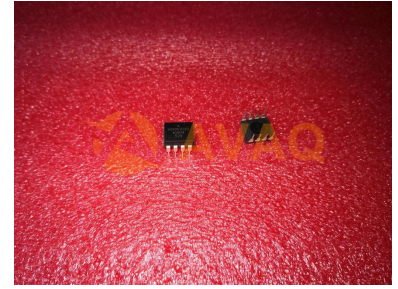


Optocoupler Drive Push-Pull 1-CH 30V 1500V 8-Pin PDIP W SMD T/R



Images are for reference only

[Inquiry](#)

Manufacturer: [Broadcom Corporation](#)

Package/Case: SOP8

Product Type: Optoelectronics

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active

General Description

The HCNW3120 gate drive optocoupler contains an AlGaAs LED. The LED is optically coupled to an integrated circuit with a power output stage. It is ideally suited for driving power IGBTs and MOSFETs used in motor control inverted applications. The high operating voltage range of the output stage provides the drive voltages required by gate controlled devices. The voltage and current supplied make it ideally suited for directly driving IGBTs with ratings up to 1200 V/100 A. It has the highest insulation voltage of VIORM = 1414 V peak in the VDE 0884.

Key Features

2.0 A Minimum Peak Output Current

15 kV/ms Minimum Common Mode Rejection (CMR) at VCM = 1500 V

0.5 V Maximum Low Level Output Voltage (VOL) Eliminates Need for Negative Gate Drive

ICC = 5 mA Maximum Supply Current

Under Voltage Lock-Out Protection (UVLO) with Hysteresis

Wide Operating VCC Range: 15 to 30 Volts

500 ns Maximum Switching Speeds

Industrial Temperature Range: -40 degree C to 100 degree C

Safety Approval:

UL Recognized - 5000 Vrms for 1 min. CSA Approval IEC/EN/DIN EN 60747-5-2 Approved: VIORM = 1414 Vpeak

Options available are:

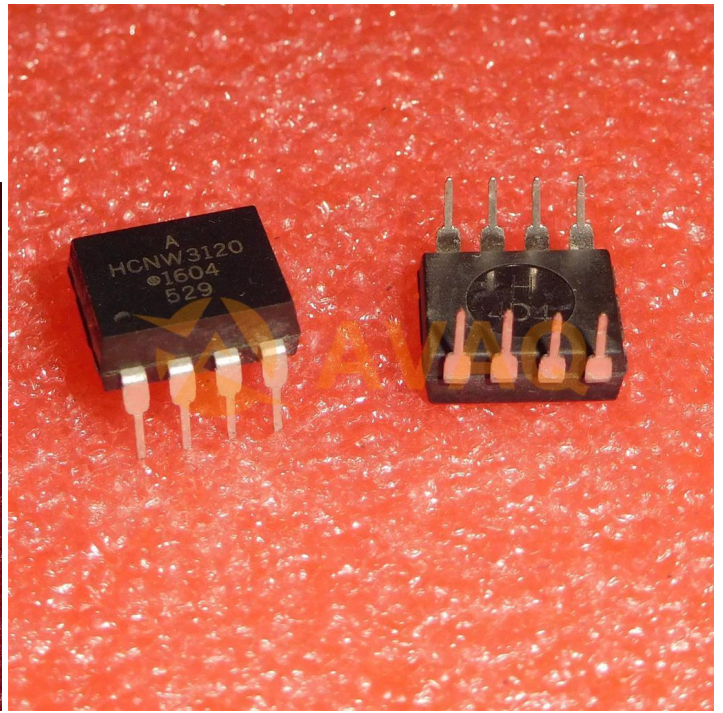
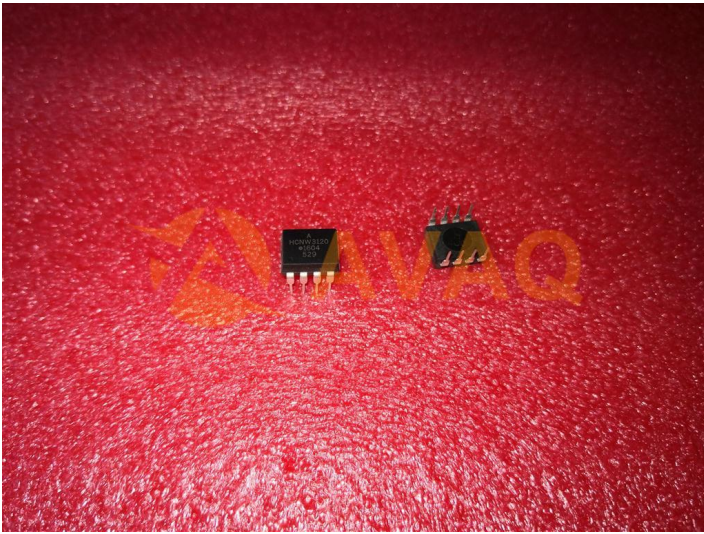
Application

IGBT/MOSFET Gate Drive

AC/Brushless DC Motor Drives

Industrial Inverters

Switch Mode Power Supplies



Recommended For You

ACPL-H342-000E

Broadcom Corporation

SOP-8

ACPL-P314-000E

Broadcom Corporation

SOP6

ACPL-P343-000E

Broadcom Corporation

SOP6

ACPL-K342-000E

Broadcom Corporation

DIPSOP

ACNW3190-300E

Broadcom Corporation

DIPSOP8

ACNV3130-500E

Broadcom Corporation

SOP-10

ACPL-W302-000E

Broadcom Corporation

SOP6

ACPL-W314-000E

Broadcom Corporation

SOP6

ACPL-P340-000E

Broadcom Corporation

SOP6

ACPL-H312-000E

Broadcom Corporation

DIPSOP

ACPL-W340-000E

Broadcom Corporation

SOP6

ACPL-T350-300E

Broadcom Corporation

SOP8