

Optocoupler Drive Push-Pull 1-CH 30V 1500V 6-Pin SO Stretched Tube



Images are for reference only

[Inquiry](#)

Manufacturer: [Broadcom Corporation](#)

Package/Case: SOP6

Product Type: Optoelectronics

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active

General Description

The ACPL-P314/W314 gate drive optocouplers consists of a GaAsP LED optically coupled to an integrated circuit with a power output stage. These optocouplers are ideally suited for driving power IGBTs and MOSFETs used in motor control inverter applications. The high operating voltage range of the output stage provides the drive voltages required by gate controlled devices. The voltage and current supplied by this optocoupler makes it ideally suited for directly driving small or medium power IGBTs.

Key Features

High speed response

Ultra high CMR

Bootstrappable supply current

Available in Stretched SO-6 package

Package Clearance/Creepage at 8mm (ACPL-W314)

Safety Approval:- UL Recognized with 3750 Vrms for 1 minute per UL1577- CSA Approved- IEC/EN/DIN EN 60747-5-2 Approved with VIORM = 630VPEAK for option 060

Application

Isolated IGBT/Power

MOSFET gate drive

AC and brushless DC motor drives

Industrial inverters

Inverter for home appliances

Induction cooker

Switching Power Supplies (SPS)

Recommended For You

ACPL-H342-000E

Broadcom Corporation

SOP-8

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

HCNW3120-500E

Broadcom Corporation

SOP8