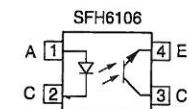
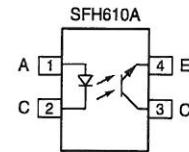
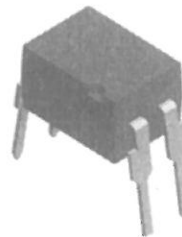




Optocoupler, High Reliability, 5300 V_{RMS}

Features

- Good CTR Linearity Depending on Forward Current
- Isolation Test Voltage, 5300 V_{RMS}
- High Collector-Emitter Voltage, V_{CEO} = 70 V
- Low Saturation Voltage
- Fast Switching Times
- Low CTR Degradation
- Temperature Stable
- Low Coupling Capacitance
- End-Stackable, 0.100 " (2.54 mm) Spacing
- High Common-Mode Interference Immunity
- Lead (Pb)-free component
- Component in accordance to RoHS 2002/95/EC and WEEE 2002/96/EC



177056

Approvals

- UL 1577, File No. E52744 System Code H or J, VDE Protection
- CE EN 60747-5-2 (VDE0884)
- CE EN 60747-5-5 pending
- Available with Option 1
- CSA 23751
- IEC60950 IEC60065

Description

The SFH610A (DIP) and SFH6106 (SMD) feature a high current transfer ratio, low coupling capacitance and high isolation voltage. These couplers have a GaAs infrared diode emitter, which is optically coupled to a silicon planar phototransistor detector, and is incorporated in a plastic DIP-4 or SMD package.

The coupling devices are designed for signal transmission between two electrically separated circuits.

The couplers are end-stackable with 2.54 mm spacing.

Creepage and clearance distances of > 8.0 mm are achieved with option 6. This version complies with IEC 60950 (DIN VDE 0805) for reinforced insulation up to an operation voltage of 400 V_{RMS} or DC. Specifications subject to change.

Order Information

Part	Remarks
SFH610A-1	CTR 40 - 80 %, DIP-4
SFH610A-2	CTR 63 - 125 %, DIP-4
SFH610A-3	CTR 100 - 200 %, DIP-4
SFH610A-4	CTR 160 - 320 %, DIP-4
SFH610A-5	CTR 250 - 500 %, DIP-4
SFH6106-1	CTR 40 - 80 %, SMD-4
SFH6106-2	CTR 63 - 125 %, SMD-4
SFH6106-3	CTR 100 - 200 %, SMD-4
SFH6106-4	CTR 160 - 320 %, SMD-4
SFH6106-5T	CTR 250 - 500 %, SMD-4, tape and reel
SFH610A-1X006	CTR 40 - 80 %, DIP-4 400 mil (option 6)
SFH610A-2X006	CTR 63 - 125 %, DIP-4 400 mil (option 6)
SFH610A-3X006	CTR 100 - 200 %, DIP-4 400 mil (option 6)
SFH610A-3X007	CTR 100 - 200 %, SMD-4 (option 7)
SFH610A-4X006	CTR 160 - 320 %, DIP-4 400 mil (option 6)

For additional information on the available options refer to Option Information.