# LH1523AB/AAC/AACTR

## Dual 1 Form B
## Solid State Relay

### FEATURES

- **Dual Channel (LH1511)**
- **I/O Isolation, 5300 $V_{RMS}$**
- **Typical $R_{ON}$ 10 Ω**
- **Load Voltage 200 V**
- **Load Current 200 mA**
- **High Surge Capability**
- **Linear, AC/DC Operation**
- **Clean Bounce Free Switching**
- **Low Power Consumption**
- **SMD Lead Available on Tape and Reel**

### AGENCY APPROVALS

- **UL – File No. E52744**
- **CSA – Certification 093751**
- **BSI/BABT Cert. No. 7980**
- **VDE 0884 Approval**
- **FIMKO Approval**

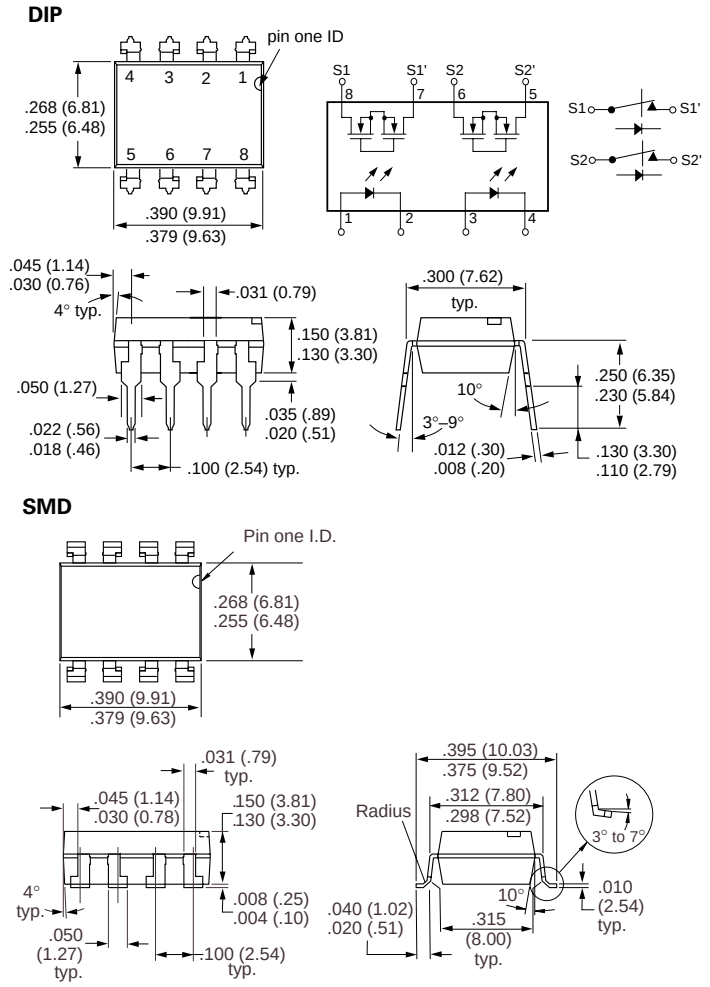
### APPLICATIONS

- **General Telecom Switching**
  - **On/off Hook Control**
  - **Ring Delay**
  - **Dial Pulse**
  - **Ground Start**
  - **Ground Fault Protection**
- **Instrumentation**
- **Industrial Controls**

### DESCRIPTION

The LH1523 dual 1 Form B relays are SPST normally closed switches that can replace electromechanical relays in many applications. They are constructed using a GaAIAs LED for actuation control and an integrated monolithic die for the switch output. The die, fabricated in a high-voltage dielectrically isolated technology is comprised of a photodiode array, switch control circuitry, and MOSFET switches.

Package Dimensions in Inches (mm)




**Part Identification**

| Part Number | Description |
|---|---|
| LH1523AB | 8-pin DIP, Tubes |
| LH1523AAC | 8-pin SMD, Gullwing, Tubes |
| LH1523AACTR | 8-pin SMD, Gullwing, Tape and Reel |

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