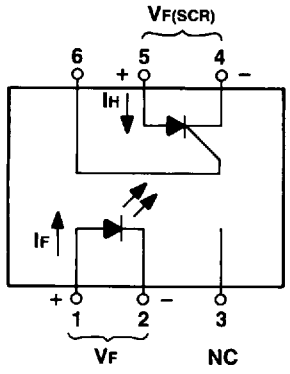
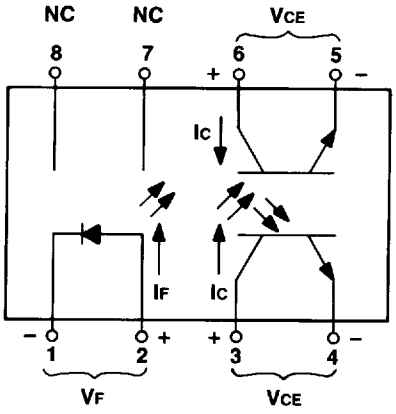
# UNIPOLARITY IRED INPUT




## SCR Output

| Input Current to Trigger ($I_F$) mA | | Holding Current ($I_H$) mA | | Forward On-State Voltage [$V_{F(SCR)}$] V | Reverse Breakdown Voltage [$V_{BR(R)}$] V | Forward Breakover Voltage [$V_{BR(F)}$] V | Isolation Current[2] ($I_{ISO}$) nA | Device Code Number |
|---|---|---|---|---|---|---|---|---|
| min | max | min | max | max | min | min | max | |
| 2.0 | 15 | 0.02 | 2.0 | 1.5 | 250 | 250 | 100 | 5A |

**Applications:**
- **High voltage ac and dc switching**
- **High voltage transient isolation**
- **Relay substitutes**
- **Motor speed controls**




## Dual Transistor Output

| dc Contrast (K) | Specified Input Current ($I_F$) mA | Current Transfer Ratio (CTR) min | Sustained Voltage [$V_{CE(SUS)}$] V min | ($I_{CEO}$)[1] nA max | Isolation Current ($V_{ISO}$)= 1500V ($I_{ISO}$) nA max | Pulse Time ($T_r$,$T_f$) μsec max | Device Code Number |
|---|---|---|---|---|---|---|---|
| ± 100% | 1.0 | 0.6 | 60 | 100 | 100 | 5 | 2L |

**Applications:**
- **Data communications switching device**
- **Control line encoding**
- **Wired OR decoding**

[1] Collector-Emitter Leakage Current
[2] Specified at ($V_{ISO}$) = 2500V