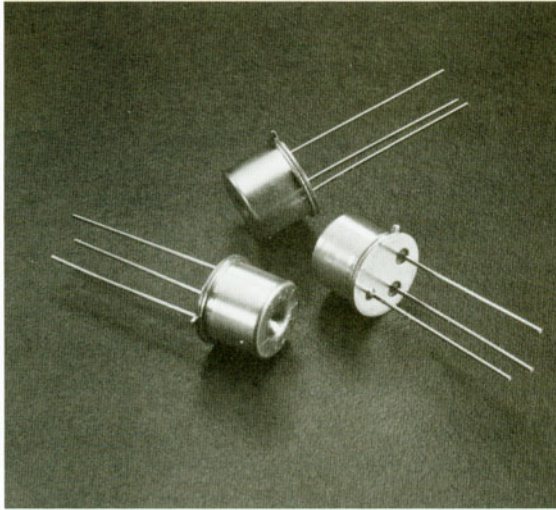


## SERIES 3600/3601 TO-5 THERMAL SWITCHES

### Typical Applications:

### Printed Circuit Boards

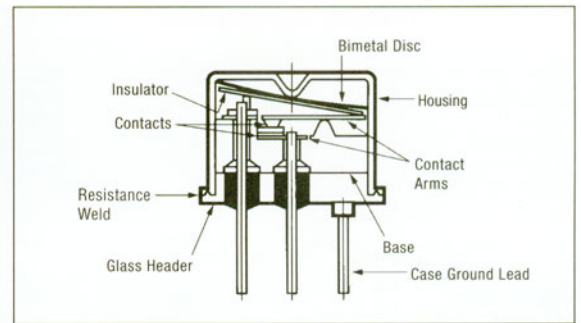
### Logic Level or Dry Circuit Applications



The Series 3600/3601 of TO-5 Switches are single-pole, single-throw, bimetal snap-action switches available to open or close on temperature rise. These quality-engineered devices are specifically designed for mounting on printed circuit boards to protect against hazardous temperatures associated with the thermal density of components on backplanes, flexible circuitry and sophisticated time-based circuits.

The Series 3600/3601 is packaged in a standard JEDEC TO-5 transistor housing with .75" length (19mm), .018" (457mm) diameter leads. These devices represent the first hermetically sealed switches in a TO-5 package that is wave solderable for increased labor efficiency.

To insure that a safe combination of thermostat and application is achieved, the purchaser must determine product suitability for their individual requirements.



### Series 3600/3601

| LIFE CYCLES | 28VDC/AC | 5VDC/AC |
|-------------|----------|---------|
| 10,000      | 1.0A     | 5.0mA   |

mA: milliAmps

A: Amps

Consult Elmwood Sensors for additional ratings.

### Key Features:

- *Hermetically Sealed*
- *Wave solderable TO-5 package*
- *Electrical Rating to 1 Amp Resistive*
- *No Power Budget*
- *Ambient and Surface Sensing*
- *Single-Pole, Single-Throw (SPST)*
- *Pre-set and Tamperproof*
- *Variety of Mounting Brackets Available*
- *Patent Number 4367452*

# SERIES 3600/3601 TO-5 THERMAL SWITCHES

## Standard Temperature Characteristics

| Series | Available Operating Temps. | Contact Action | Set Point Tolerance |
|--------|----------------------------|----------------|---------------------|
| 3600   | (40°-120°C)                | Open on Rise   | ±5°C                |
| 3601   | (40°-120°C)                | Close on Rise  | ±7°C                |

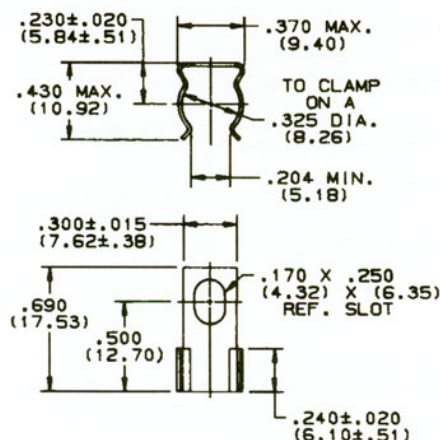
Operating temperatures are available in 5°C increments between 40°C and 120°C.  
Standards 3600/3601 Series are available from stock.  
Consult factory for price categories.

## Operating Parameters

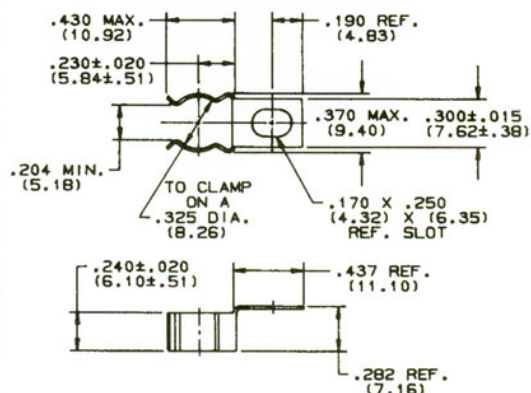
|                        |                                                                                                                                                          |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Dielectric Strength    | 500 VAC 60 Hz for One Second - Terminal to Case                                                                                                          |
| Insulation Resistance  | 20 Megohms at 500 VDC                                                                                                                                    |
| Environmental Exposure | -58° to 302°F (-50° to 150°C)                                                                                                                            |
| Operating Temp. Range  | 104° to 248°F (40° to 120°C)                                                                                                                             |
| Contact Resistance     | 60 Milliohms                                                                                                                                             |
| Hermetic Seal          | 1x10 <sup>-3</sup> Atm cc/sec                                                                                                                            |
| Weight                 | 1.6 Grams (Brackets and wire leads not included)                                                                                                         |
| Materials              | Base: Nickel<br>Terminals: Nickel Iron Alloy Copper Core<br>Closure: Hermetically Sealed<br>Brackets: Phosphor Bronze<br>Contacts: WE-1 Gold Cross Point |

## 3600/3601 - Brackets

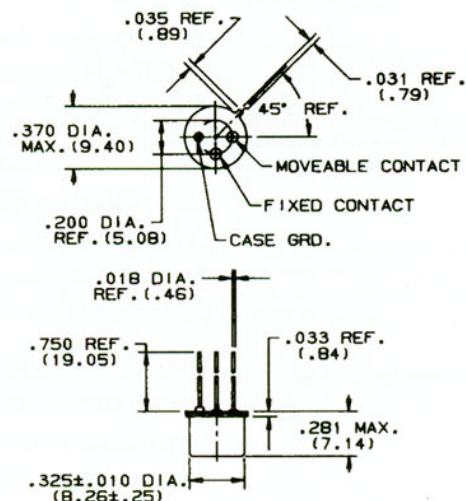
### B252



### B253



## 3600/3601 - Terminal



Note: All dimensions in ( ) are in mm's.

Note: 1. Bracket thickness .018±.004 (.46±.10) unless specified.  
2. Decimal Tolerance ±.010 (.25) unless specified.  
3. All dimensions in ( ) are in mm's.