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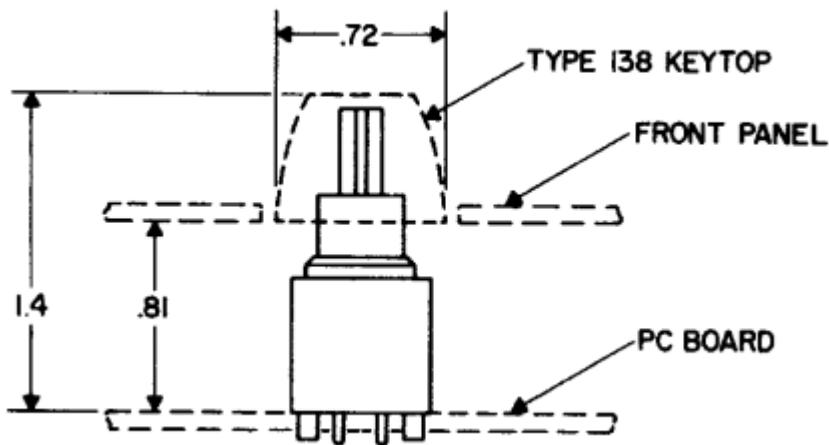
## Datasheet

**Keyboard Switch, -25 → +65°C**

RS Stock 335-794



Dimensions: (mm)



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# Datasheet

The keyboard switch has long life, low bounce, cross-bar contacts with all the advantages found in more expensive full-featured keyboard switches. The T-5 is adaptable to all keyboard environments and should be employed where low keyboard construction cost is a prime requisite in the keyboard design.

Switching action is accomplished by movement of one gold plated bar against another at right angles ( classic cross bar switching). The bars strike with a velocity determined only by spring forces and not subject to the speed at which the switch plunger is struck. This type of design provides a much more constant and lower contact bounce than is found in mechanical contact switches of more conventional design. The effects of operator differences are substantially eliminated.

Mechanically, the switch incorporates precision tracking surfaces between plunger and body which prevent binding even when double-width key-tops are installed. The base contains mounting studs in the extreme corners which provide precision alignment. Heavy terminals, when soldered to a 1/16 PC board, produce a rugged assembly without a costly metal mounting frame.

Electrical configurations include both single and double pole versions, with normally open or normally closed contacts. All switches are also available with alternate switching action: push on/ push off. Lighted versions use a T-1 bi-pin incandescent lamp which is easily changed from the front panel.

## Specifications

- Contact Rating, DC Resistive: 3W max
- Voltage: 24V max
- Initial Contact Resistance: 100 mΩ max
- Plunger Travel: 170  $\pm$  .010 in.
- Pre – Travel: .080  $\pm$  .030 in.

## Operating Force

- Single pole, momentary: 3.0  $\pm$  0.5
- Double pole and / or ALT. : 5.0  $\pm$  0.5

## Temperature

- Operating: -25°C to +65°C
- Storage: -40°C to +70°C

## Contact Bounce

- 4ms max
- Min actuations @ 5V , 100  $\mu$  AMPS: 20 x10<sup>6</sup>