

Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Grayhill, Inc.](#)
[78C02RAT](#)

For any questions, you can email us directly:

sales@integrated-circuit.com



Thru-Hole DIP Switches

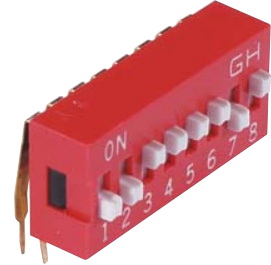
SERIES 78C
Right Angle Option

FEATURES

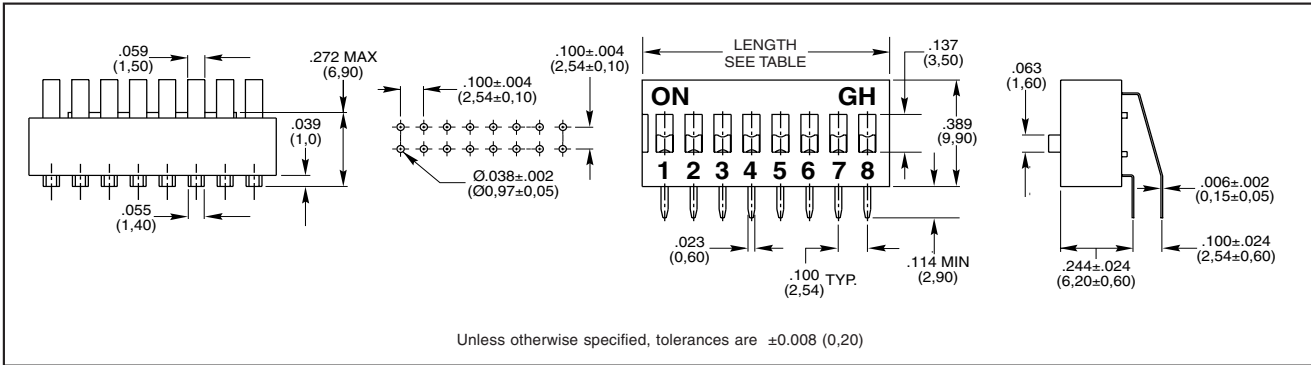
- Easy Access
- SPST Circuitry
- 2-10 and 12 positions available
- Sealed versions available

APPLICATIONS

Telecommunications, computers and peripherals, instruments and controls.



Series 78C DIMENSIONS In inches (and millimeters)



SPECIFICATIONS

Mechanical

Mechanical Life: 2000 operations per switch.
Operation Force: 1000gf max.
Stroke: 2.0mm
Operation Temp: -20°C to 70°C
Storage Temp: -40°C to 85°C
Vibration Test: MIL-STD-202F METHOD 201A.
 Frequency: 10-55-10Hz/1 min.
 Directions: X,Y,Z, three mutually perpendicular directions.
 Time: 2 hours each direction.
 High reliability.
Shock Test: MIL-STD-202F METHOD 213 B. CONDITION A.
 Gravity: 50G (peak value), 11 msec.
 Direction and times: 6 sides and 3 Times in each direction.
 High reliability.

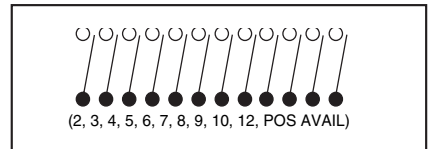
Electrical

Electrical Life: 2000 operations per switch
 24VDC, 25mA.
Non-Switching Rating: 100mA, 50VDC.
Switching rating: 25mA, 24VDC.
Contact Resistance: 50mΩ max. at initial.
Insulation Resistance: (at 500VDC) 100mΩ min.
Dielectric Strength: 500VAC/1 minute.
Capacitance: 5pF max.
 Circuit: Single pole single throw.

Soldering and Cleaning Process

For best results follow these recommendations:
 Keep switch contacts in "OFF" position for all operations.
Wave Soldering: Recommended solder temperature: 500°F (260°C) max 5 seconds.
Hand Soldering: Use a soldering iron of 30 Watts or less, controlled at 608°F (320°C) approximately 2 seconds while applying solder.
Cleaning: Tape sealed versions withstand cleaning processes.

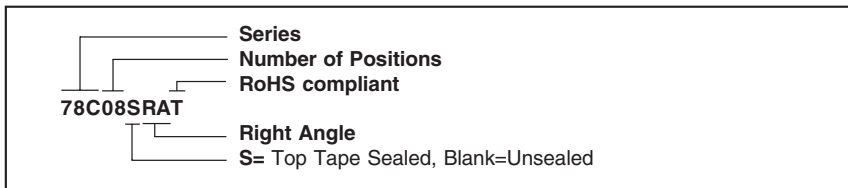
CIRCUITRY



Materials

Base Contact: Phosphor bronze with gold plating over nickel
Terminals: Brass with gold plating over nickel
Nonconductive Parts: Plastic UL94V-0
Potting Material: Epoxy
Tape Seal: Polyester film.

ORDERING INFORMATION



DIP Switches