

## SPECIFICATIONS

## Materials

**Base:** UL94V-0 Nylon thermoplastic  
**Cover:** Stainless steel, tin-plated  
**Actuator:** UL94V-0 Nylon thermoplastic  
**Terminal:** Brass with silver-plating  
**Contact:** Stainless steel with silver-plating  
**Cap:** Thermoplastic ABS

## Electrical

**Rating:** 50mA, 12 Vdc  
**Life:** 160g: 1,000,000 cycles/  
 260g: 500,000 cycles  
**Actuator Travel:** .014"  $\pm$  .004"  
**Contact Resistance:** 100 m $\Omega$  max.

**Insulation Resistance:** 100 M $\Omega$  min. at 500Vdc

**Dielectric Strength:** No dielectric breakdown after 250V for one minute

**Contact Arrangement:** single pole, single throw

## Environmental

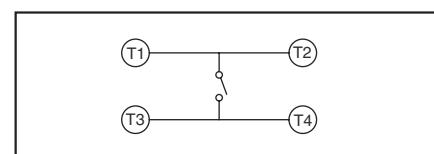
**Operating Temp. Range:** -25 to 70°C

**Storage Temp. Range:** -30 to 80°C

**Mechanical Shock:** MIL-STD-202F, Method, 213B, Test Condition A. Gravity: 50G's (peak value), 11 msec. Direction and times: 6 sides and 3 times in each direction. High reliability.

**Vibration:** MIL-STD-202F, Method 201A. Passed 6 hours (2 hours in each) of three

## CIRCUITRY



perpendicular planes at a cycle of 10-55-10Hz/1 minute.

**Stop Strength:** Place the switch such that vertical, a static load of 3kg shall be applied in the direction of stem operation for a period of 15 seconds.

## Soldering Process

**Hand Soldering:** Use a soldering iron of 30 watts, controlled at 350°C for 5 seconds maximum while applying solder.

**Reflow Soldering** (surface mount versions only): Peak temperature 260°C (500°F).

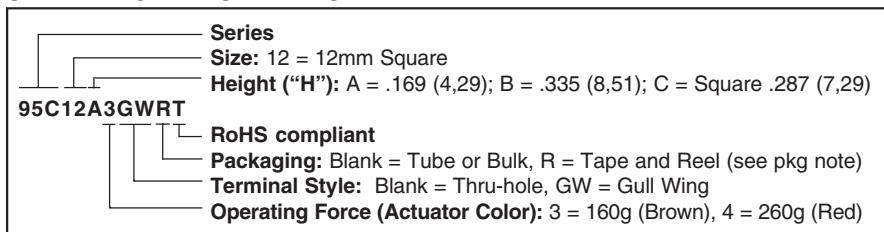
**Wave Soldering:** 260C° (500°F) maximum for 5 seconds subject to PCB .063 in. (1.6mm) thickness.

## Packaging

Thru-Hole: Bulk, 500 pcs/bag.

Surface Mount: 40 pcs/tube, 700 pcs/reel (.169" height), 500 pcs/reel (.335" and .287" height).

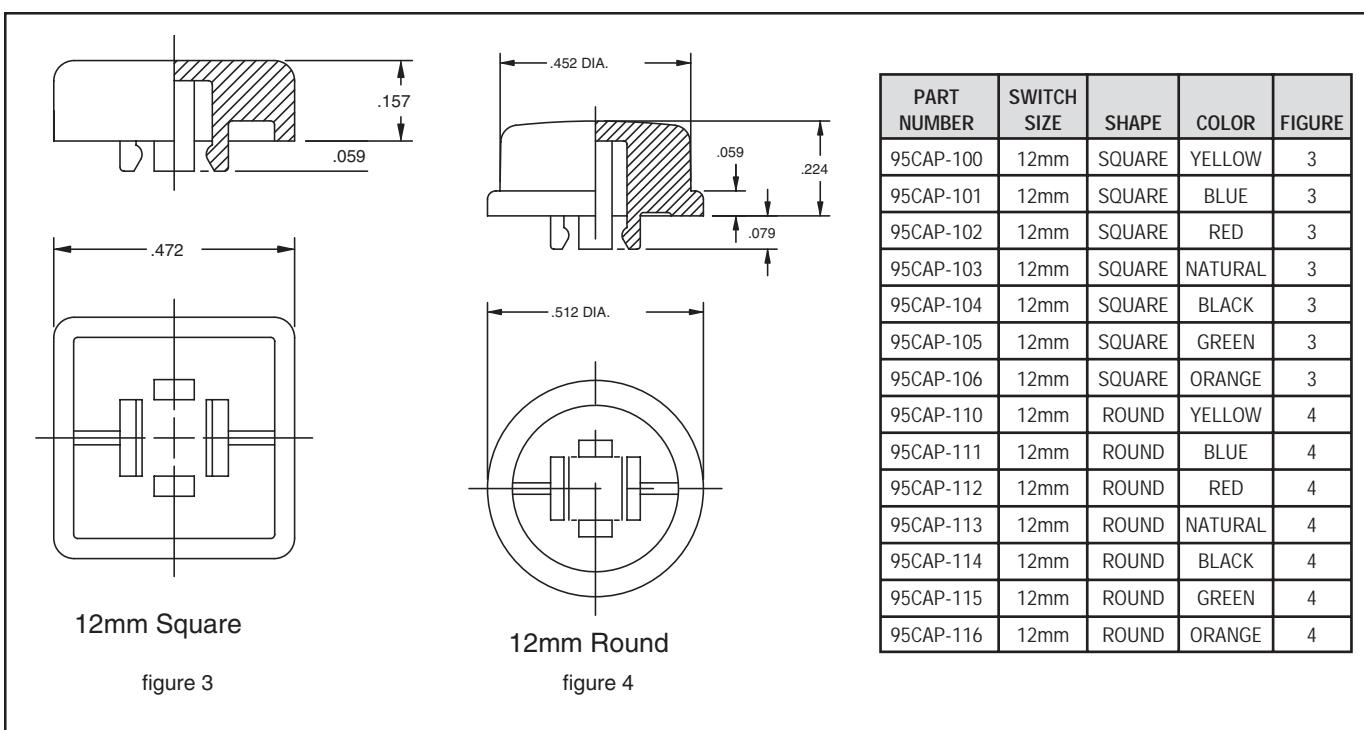
## ORDERING INFORMATION



Available from your local Grayhill Component Distributor.

For prices and discounts, contact a local Sales Office, an authorized local distributor, or Grayhill.

## DECORATIVE CAPS (for use with "C" style square actuators)



12mm Square

figure 3

12mm Round

figure 4

# Mouser Electronics

Authorized Distributor

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[95C12A4GWT](#) [95C12A3GWT](#) [95C12C3GWT](#) [95C12B3GWT](#) [95C12B4GWT](#) [95C12C4GWT](#)