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

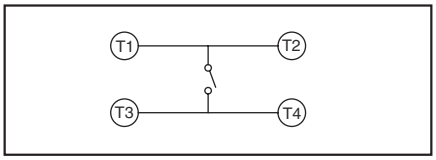
Rating: 50mA, 12 Vdc
Life: 160g: 1,000,000 cycles/
260g: 500,000 cycles
Actuator Travel: .014" ± .004"
Contact Resistance: 100 mΩ max.

Insulation Resistance: 100 MΩ 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 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.

CIRCUITRY



ORDERING INFORMATION

95C12A3GWRT

Series
Size: 12 = 12mm Square
Height ("H"): A = .169 (4,29); B = .335 (8,51); C = Square .287 (7,29)
RoHS compliant
Packaging: Blank = Tube or Bulk, R = Tape and Reel (see pkg note)
Terminal Style: Blank = Thru-hole, GW = Gull Wing
Operating Force (Actuator Color): 3 = 160g (Brown), 4 = 260g (Red)

Available from your local Grayhill Component Distributor.
For prices and discounts, contact a local Sales Office, an authorized local distributor, or Grayhill.

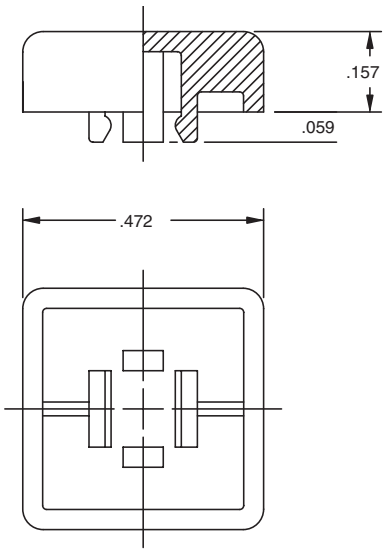
Soldering Process

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

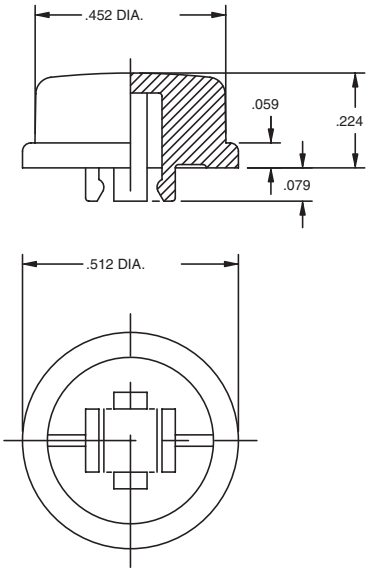
Thru-Hole: Bulk, 500 pcs/bag.
Surface Mount: 40 pcs/tube, 700 pcs/reel (.169" height), 500 pcs/reel (.335" and .287" height).

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



12mm Square

figure 3



12mm Round

figure 4

PART NUMBER	SWITCH SIZE	SHAPE	COLOR	FIGURE
95CAP-100	12mm	SQUARE	YELLOW	3
95CAP-101	12mm	SQUARE	BLUE	3
95CAP-102	12mm	SQUARE	RED	3
95CAP-103	12mm	SQUARE	NATURAL	3
95CAP-104	12mm	SQUARE	BLACK	3
95CAP-105	12mm	SQUARE	GREEN	3
95CAP-106	12mm	SQUARE	ORANGE	3
95CAP-110	12mm	ROUND	YELLOW	4
95CAP-111	12mm	ROUND	BLUE	4
95CAP-112	12mm	ROUND	RED	4
95CAP-113	12mm	ROUND	NATURAL	4
95CAP-114	12mm	ROUND	BLACK	4
95CAP-115	12mm	ROUND	GREEN	4
95CAP-116	12mm	ROUND	ORANGE	4

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