

SERIES 95C

6mm Square, Non-washable



FEATURES

- Excellent Tactile Feedback
 - Thru-hole, Gull Wings, and Right Angle Versions
 - Surface Mount Versions Compatible with SMT Assembly Including Infrared and Vapor Phase
 - Ultraminiature and Lightweight Structure Suitable for High Density Mounting
- ## APPLICATIONS

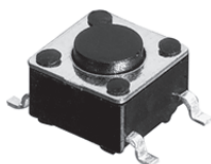
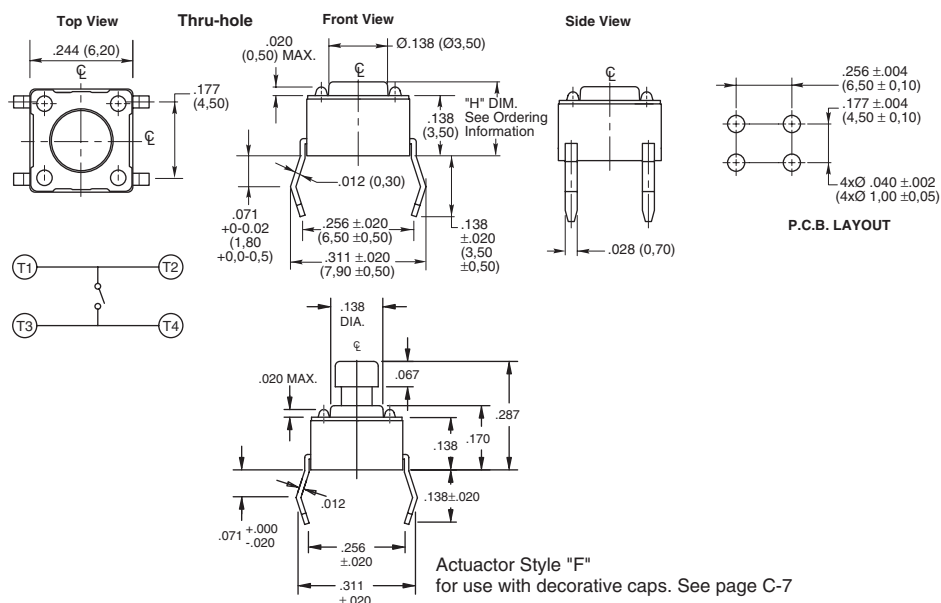
Used in applications such as consumer electronics, audio equipment, PCs, VCRs, cable boxes, modems, communications equipment, controls, security and alarm equipment, and test and measurement equipment.

APPLICATIONS

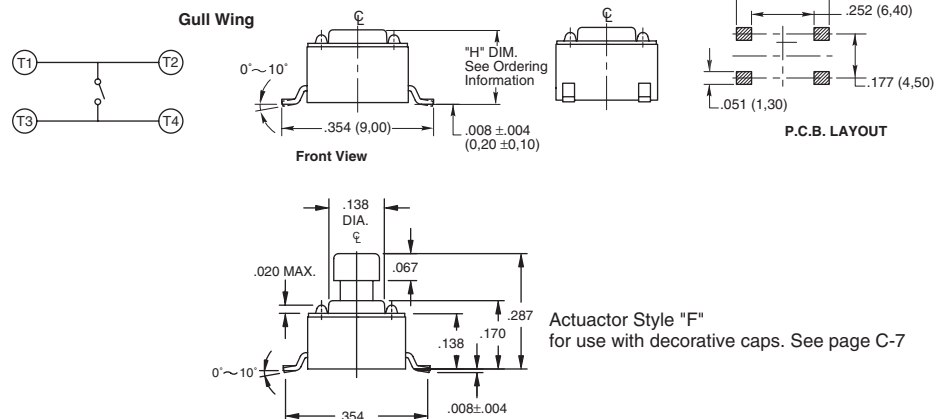
DIMENSIONS: Non-Washable Switches In inches (and millimeters)



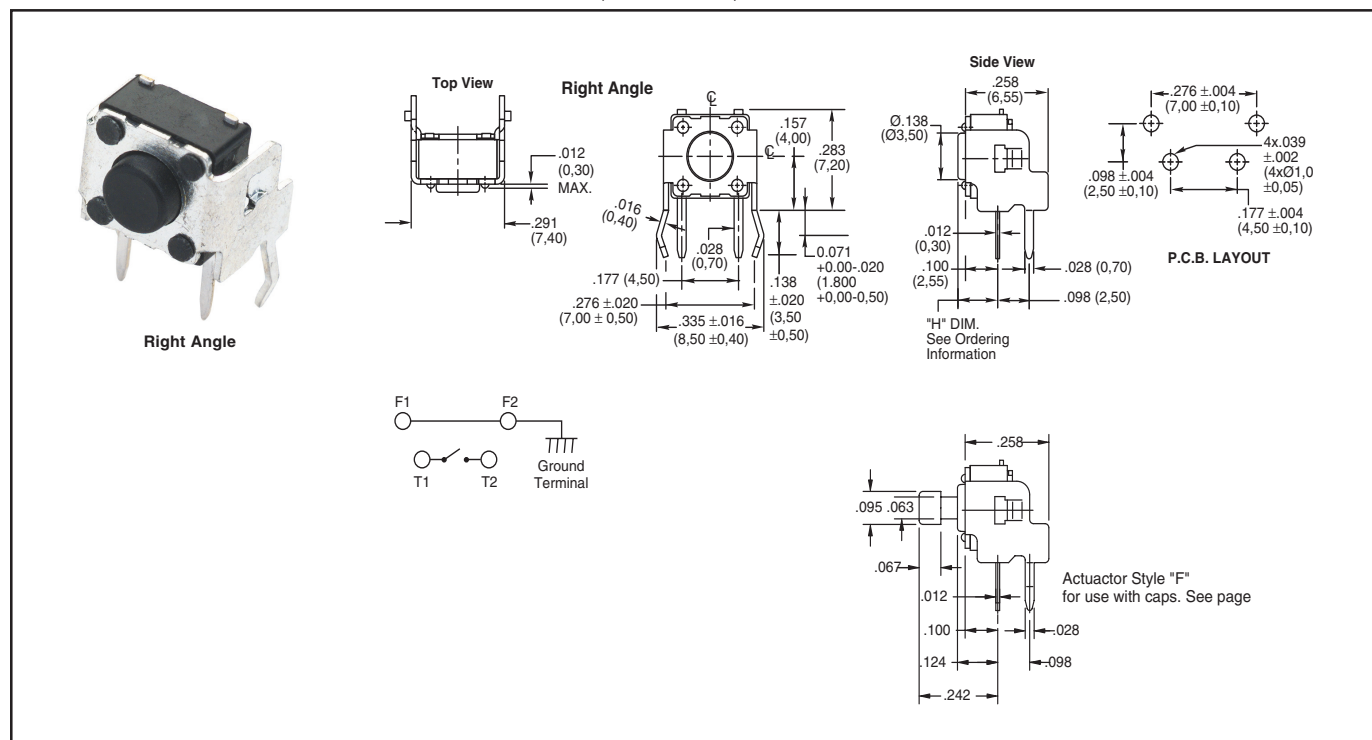
Thru-Hole



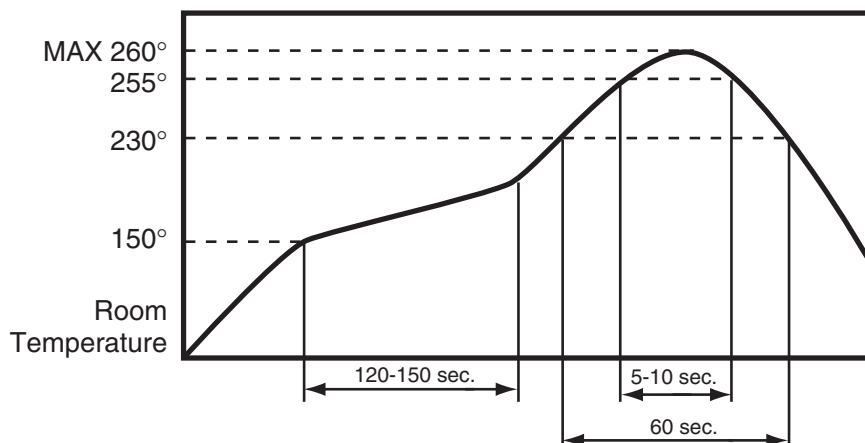
Gull Wing



DIMENSIONS: Non-Washable Switches In inches (and millimeters)



REFLOW TEMPERATURE PROFILE:



ORDERING INFORMATION: Non-Washable Switches

Thru-Hole and Gull Wing	Series Size: 06 = 6mm Square Height ("H"): A = .169 (4,29), B = .197 (5,00), C = .276 (7,01), D = .374 (9,50), E = .512 (13,00) F = .287 (7,29) for use with decorative caps 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): 2 = 100g (Black), 3 = 160g (Brown), 4 = 260g (Red), 5 = 320g (Orange), 6 = 520g (Yellow)
95C06A2GWRT	
Right Angle	Series Size: 06 = 6mm Square Height ("H"): A = .124 (3,14), B = .152 (3,86), C = .230 (5,84), D = .329 (8,36), E = .467 (11,86) F = .242 (6,15) for use with decorative caps RoHS compliant Terminal Style: RA = Right Angle Operating Force (Actuator Color): 2 = 100g (Black), 3 = 160g (Brown), 4 = 260g (Red)
95C06A2RAT	

Packaging Thru-Hole: Bulk, 1000 pcs/bag. Surface Mount: 77 pcs/tube, 1000 pcs/reel (.169" height), 900 pcs/reel (.197" height), 500 pcs/reel (.276" and .287" height), 380 pcs/reel (.374" height). Right Angle: Bulk, 1000 pcs/bag.

SPECIFICATIONS:

Non-Washable Switches

Materials

Base: UL94V-0 Nylon thermoplastic

Cover: Stainless steel, tin-plated steel

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: 100g, 160g: 1,000,000 cycles;

260g: 500,000 cycles

320g, 520g, 300,000 cycles

Actuator Travel: .010" + .008" / - .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/minute. High reliability.

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: 260°C° (500°F) maximum for 5 seconds subject to PCB .063 in. (1,6mm) thickness.

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 "F" style square actuators)

6mm SQUARE

figure 1

6mm ROUND

figure 2

PART NUMBER	SWITCH SIZE	SHAPE	COLOR	FIGURE
95CAP-000	6mm	SQUARE	YELLOW	1
95CAP-001	6mm	SQUARE	BLUE	1
95CAP-002	6mm	SQUARE	RED	1
95CAP-003	6mm	SQUARE	NATURAL	1
95CAP-004	6mm	SQUARE	BLACK	1
95CAP-005	6mm	SQUARE	GREEN	1
95CAP-006	6mm	SQUARE	ORANGE	1
95CAP-010	6mm	ROUND	YELLOW	2
95CAP-011	6mm	ROUND	BLUE	2
95CAP-012	6mm	ROUND	RED	2
95CAP-013	6mm	ROUND	NATURAL	2
95CAP-014	6mm	ROUND	BLACK	2
95CAP-015	6mm	ROUND	GREEN	2
95CAP-016	6mm	ROUND	ORANGE	2