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

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.

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

Thru-Hole

Gull Wing

Actuator Style "F" for use with decorative caps. See page C-7
DIMENSIONS: Non-Washable Switches in inches (and millimeters)

Right Angle

Top View

Right Angle

Side View

F1 F2

Ground Terminal

Actuator Style "F" for use with caps. See page F1 F2

Ground Terminal

MAX 260° 255° 230° 150° Room Temperature

120-150 sec. 5-10 sec. 60 sec.

REFLOW TEMPERATURE PROFILE:
Non-Washable Tactile Switches

**Specifications:**

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

**Electrical**
- Rating: 50mA, 12 Vdc
- Life: 100g, 160g: 1,000,000 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

**Environmental**
- Operating Temp. Range: -25 to 70°C
- Storage Temp. Range: -30 to 80°C

**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.

**Ordering Information:**

### Thru-Hole and Gull Wing

- **Series:** 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)

### Right Angle

- **Series:** 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)
  - 5 = 320g (Orange), 6 = 520g (Yellow)

**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.

**Decorative Caps** (for use with “F” style square actuators)

**Part Number**  | **Switch Size** | **Shape** | **Color** | **Figure**
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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

**Figure 1**

**Figure 2**

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