

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

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)



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

Right Angle

Top View

Right Angle

Side View

P.C.B. LAYOUT

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

"H" DIM. See Ordering Information

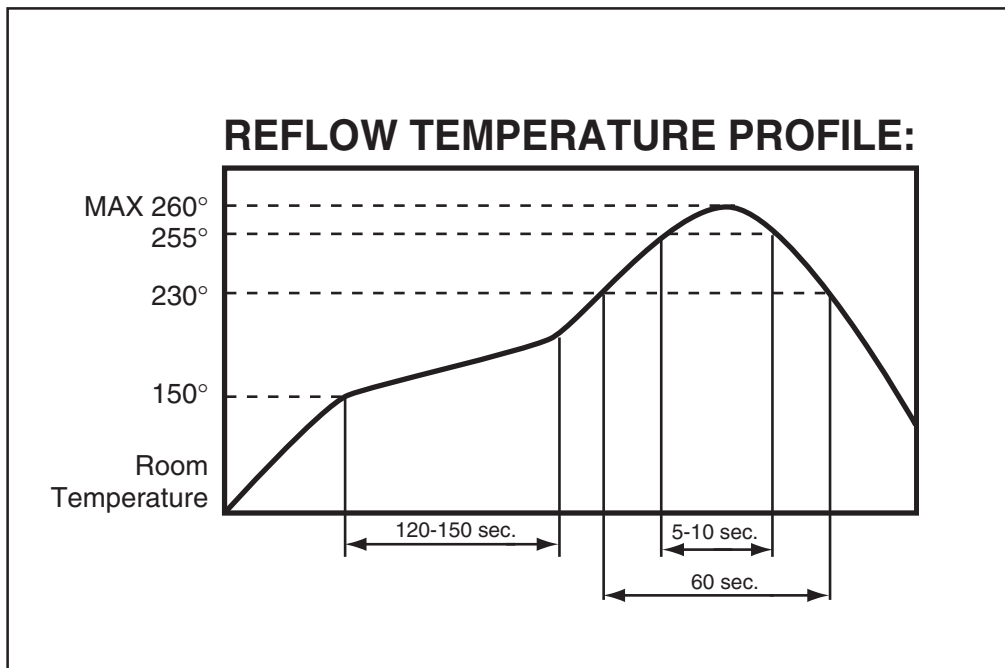
Ground Terminal

F1 **F2**

T1 **T2**

Dimensions (inches and millimeters):

- Top View: .012 (0,30) MAX., .291 (7,40)
- Right Angle: .157 (4,00), .283 (7,20), .016 (0,40), .028 (0,70), .177 (4,50), .276 ±.020 (7,00 ± 0,50), .335 ±.016 (8,50 ± 0,40), .138 ±.020 (3,50 ± 0,50), .071 (1,800), .100 (2,55), .028 (0,70)
- Side View: .258 (6,55), Ø.138 (Ø3,50), .012 (0,30), .100 (2,55), .028 (0,70), .098 (2,50)
- P.C.B. LAYOUT: .276 ±.004 (7,00 ± 0,10), 4x.039 ±.002 (4xØ1,0 ± 0,05), .098 ±.004 (2,50 ± 0,10), .177 ±.004 (4,50 ± 0,10)
- Actuator Style "F": .258, .095 .063, .067, .012, .100, .124, .242, .028, .098



Tact Switches

ORDERING INFORMATION: Non-Washable Switches

| | |
|---|--|
| <p>Thru-Hole and Gull Wing</p> <p>95C06A2GWRT</p> | <p>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)</p> |
| <p>Right Angle</p> <p>95C06A2RAT</p> | <p>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)</p> |

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 |



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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