

## SERIES 95C

### 6mm Square, Washable



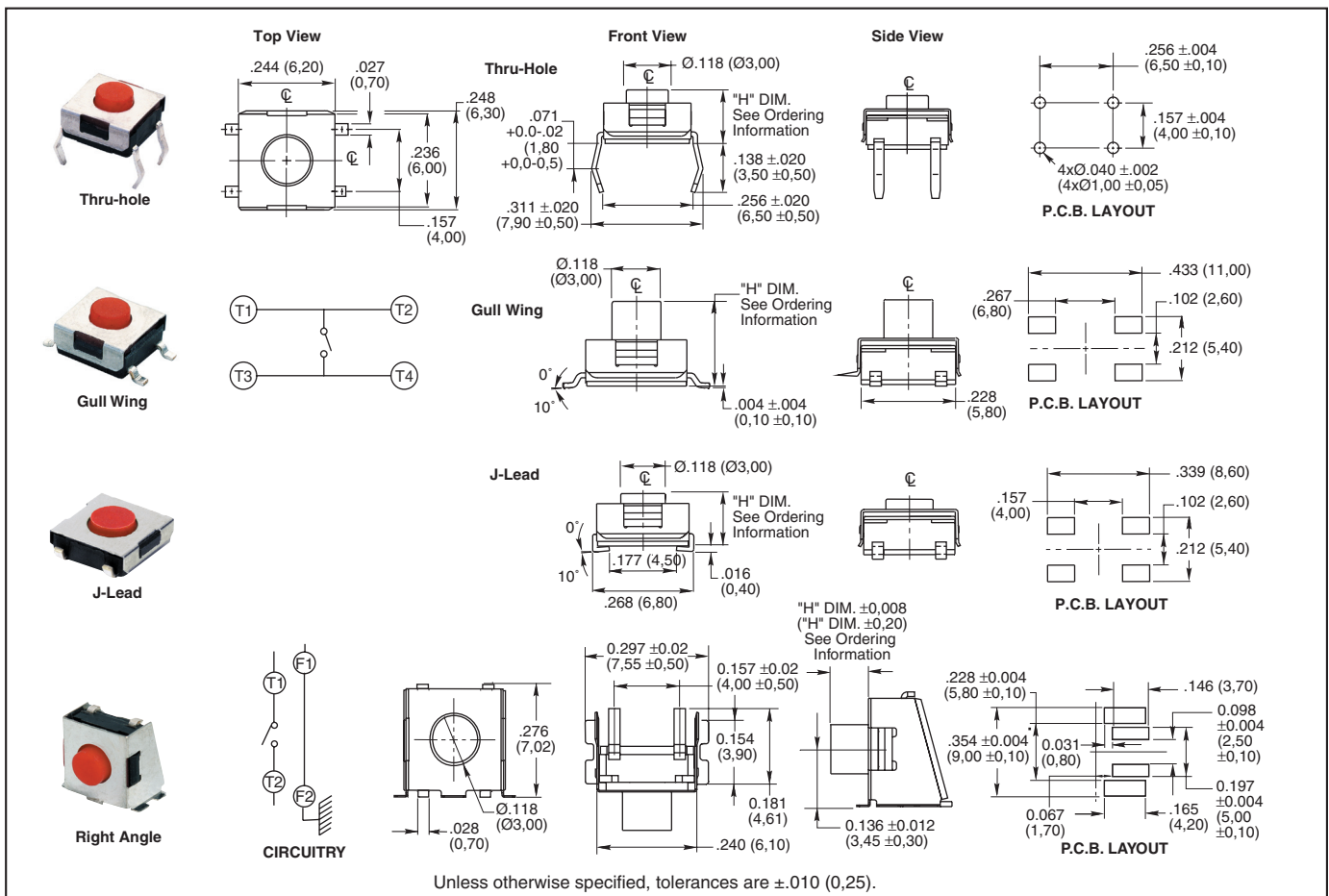
#### FEATURES

- Designed to Allow Submersed Washing After Soldering
- Excellent Tactile Feedback
- Thru-hole, Gull Wings, Right Angle, and J-Lead 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: Washable Switches In inches (and millimeters)



#### SPECIFICATIONS:

##### Washable Switches

##### Materials

**Base:** UL94V-0 Nylon thermoplastic

**Cover:** Stainless steel, nickel silver

**Actuator:** Silicone rubber

**Terminal:** Brass with silver-plating

**Contact:** Stainless steel with silver-plating

##### Electrical

**Rating:** 50mA, 12 Vdc

**Life:** See table, page C-12

**Actuator Travel:** .018"  $\pm$  .008"

**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 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. (1,60 mm) thickness.

## ORDERING INFORMATION: Washable Switches

### Thru-Hole

| Part Number | Height ("H") in (mm) | Force (Grams) | Actuator Color | Electrical Life (Cycles) | Tube Packaging |
|-------------|----------------------|---------------|----------------|--------------------------|----------------|
| 95CW06A1T   | .091 (2,3)           | 160           | Silver         | 100,000                  | 75PCS/Tube     |
| 95CW06B1T   | .122 (3,1)           | 160           | Brown          | 100,000                  | 75PCS/Tube     |
| 95CW06C2T   | .138 (3,5)           | 180           | Brown          | 500,000                  | 75PCS/Tube     |
| 95CW06C3T   | .138 (3,5)           | 260           | Red            | 500,000                  | 75PCS/Tube     |
| 95CW06C5T   | .138 (3,5)           | 360           | Clear          | 500,000                  | 75PCS/Tube     |
| 95CW06D2T   | .150 (3,8)           | 180           | Brown          | 500,000                  | 75PCS/Tube     |
| 95CW06D3T   | .150 (3,8)           | 260           | Red            | 500,000                  | 75PCS/Tube     |
| 95CW06D4T   | .150 (3,8)           | 520           | Yellow         | 50,000                   | 75PCS/Tube     |
| 95CW06D5T   | .150 (3,8)           | 360           | Clear          | 500,000                  | 75PCS/Tube     |
| 95CW06E2T   | .205 (5,2)           | 180           | Brown          | 500,000                  | 77PCS/Tube     |
| 95CW06E3T   | .205 (5,2)           | 260           | Red            | 500,000                  | 77PCS/Tube     |
| 95CW06E4T   | .205 (5,2)           | 520           | Yellow         | 50,000                   | 77PCS/Tube     |
| 95CW06E5T   | .205 (5,2)           | 360           | Clear          | 500,000                  | 77PCS/Tube     |

### Gull Wing

| Part Number | Height ("H") in (mm) | Force (Grams) | Actuator Color | Electrical Life (Cycles) | Tube Packaging | Tape & Reel* Packaging |
|-------------|----------------------|---------------|----------------|--------------------------|----------------|------------------------|
| 95CW06A1GWT | .091 (2,29)          | 160           | Silver         | 100,000                  | 75PCS/Tube     | 2000PCS/Reel           |
| 95CW06B1GWT | .122 (3,10)          | 160           | Brown          | 100,000                  | 75PCS/Tube     | 2000PCS/Reel           |
| 95CW06C2GWT | .138 (3,51)          | 180           | Brown          | 500,000                  | 75PCS/Tube     | 1900PCS/Reel           |
| 95CW06C3GWT | .138 (3,51)          | 260           | Red            | 500,000                  | 75PCS/Tube     | 1900PCS/Reel           |
| 95CW06C5GWT | .138 (3,51)          | 360           | Clear          | 500,000                  | 75PCS/Tube     | 1900PCS/Reel           |
| 95CW06D2GWT | .150 (3,81)          | 180           | Brown          | 500,000                  | 75PCS/Tube     | 1900PCS/Reel           |
| 95CW06D3GWT | .150 (3,81)          | 260           | Red            | 500,000                  | 75PCS/Tube     | 1900PCS/Reel           |
| 95CW06D4GWT | .150 (3,81)          | 520           | Yellow         | 50,000                   | 75PCS/Tube     | 1900PCS/Reel           |
| 95CW06D5GWT | .150 (3,81)          | 360           | Clear          | 500,000                  | 75PCS/Tube     | 1900PCS/Reel           |
| 95CW06E2GWT | .205 (5,21)          | 180           | Brown          | 500,000                  | 75PCS/Tube     | 900PCS/Reel            |
| 95CW06E3GWT | .205 (5,21)          | 260           | Red            | 500,000                  | 75PCS/Tube     | 900PCS/Reel            |
| 95CW06E4GWT | .205 (5,21)          | 520           | Yellow         | 50,000                   | 75PCS/Tube     | 900PCS/Reel            |
| 95CW06E5GWT | .205 (5,21)          | 360           | Clear          | 500,000                  | 75PCS/Tube     | 900PCS/Reel            |

### J-Lead

| Part Number | Height ("H") in (mm) | Force (Grams) | Actuator Color | Electrical Life (Cycles) | Tube Packaging | Tape & Reel* Packaging |
|-------------|----------------------|---------------|----------------|--------------------------|----------------|------------------------|
| 95CW06A1JT  | .091 (2,29)          | 160           | Silver         | 100,000                  | 75PCS/Tube     | 2000PCS/Reel           |
| 95CW06B1JT  | .122 (3,10)          | 160           | Brown          | 100,000                  | 75PCS/Tube     | 1900PCS/Reel           |
| 95CW06C2JT  | .138 (3,51)          | 180           | Brown          | 500,000                  | 75PCS/Tube     | 1800PCS/Reel           |
| 95CW06C3JT  | .138 (3,51)          | 260           | Red            | 500,000                  | 75PCS/Tube     | 1800PCS/Reel           |
| 95CW06C5JT  | .138 (3,51)          | 360           | Clear          | 500,000                  | 75PCS/Tube     | 1800PCS/Reel           |
| 95CW06D2JT  | .150 (3,81)          | 180           | Brown          | 500,000                  | 75PCS/Tube     | 1800PCS/Reel           |
| 95CW06D3JT  | .150 (3,81)          | 260           | Red            | 500,000                  | 75PCS/Tube     | 1800PCS/Reel           |
| 95CW06D4JT  | .150 (3,81)          | 520           | Yellow         | 50,000                   | 75PCS/Tube     | 1800PCS/Reel           |
| 95CW06D5JT  | .150 (3,81)          | 360           | Clear          | 500,000                  | 75PCS/Tube     | 1800PCS/Reel           |
| 95CW06E2JT  | .205 (5,21)          | 180           | Brown          | 500,000                  | 75PCS/Tube     | 900PCS/Reel            |
| 95CW06E3JT  | .205 (5,21)          | 260           | Red            | 500,000                  | 75PCS/Tube     | 900PCS/Reel            |
| 95CW06E4JT  | .205 (5,21)          | 520           | Yellow         | 50,000                   | 75PCS/Tube     | 900PCS/Reel            |
| 95CW06E5JT  | .205 (5,21)          | 360           | Clear          | 500,000                  | 75PCS/Tube     | 900PCS/Reel            |

### Right Angle

| Part Number  | Height in ("H") (mm) | Force (Grams) | Actuator Color | Electrical Life (Cycles) | Tape & Reel Packaging |
|--------------|----------------------|---------------|----------------|--------------------------|-----------------------|
| 95CW06A3RART | .031 (0,79)          | 260           | Red            | 500,0000                 | 700PCS/Reel           |
| 95CW06B3RART | .039 (0,99)          | 260           | Red            | 500,0000                 | 700PCS/Reel           |
| 95CW06C3RART | .091 (2,31)          | 260           | Red            | 500,0000                 | 700PCS/Reel           |

Available from your local Grayhill Component Distributor. \*Insert "R" before "T" for tape and reel packaging. For prices and discounts, contact a local Sales Office, an authorized local distributor, or Grayhill.



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

**Телефон:** 8 (812) 309 58 32 (многоканальный)

**Факс:** 8 (812) 320-02-42

**Электронная почта:** [org@eplast1.ru](mailto:org@eplast1.ru)

**Адрес:** 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.