

# 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.

## Данный компонент на территории Российской Федерации

### Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

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В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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