

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

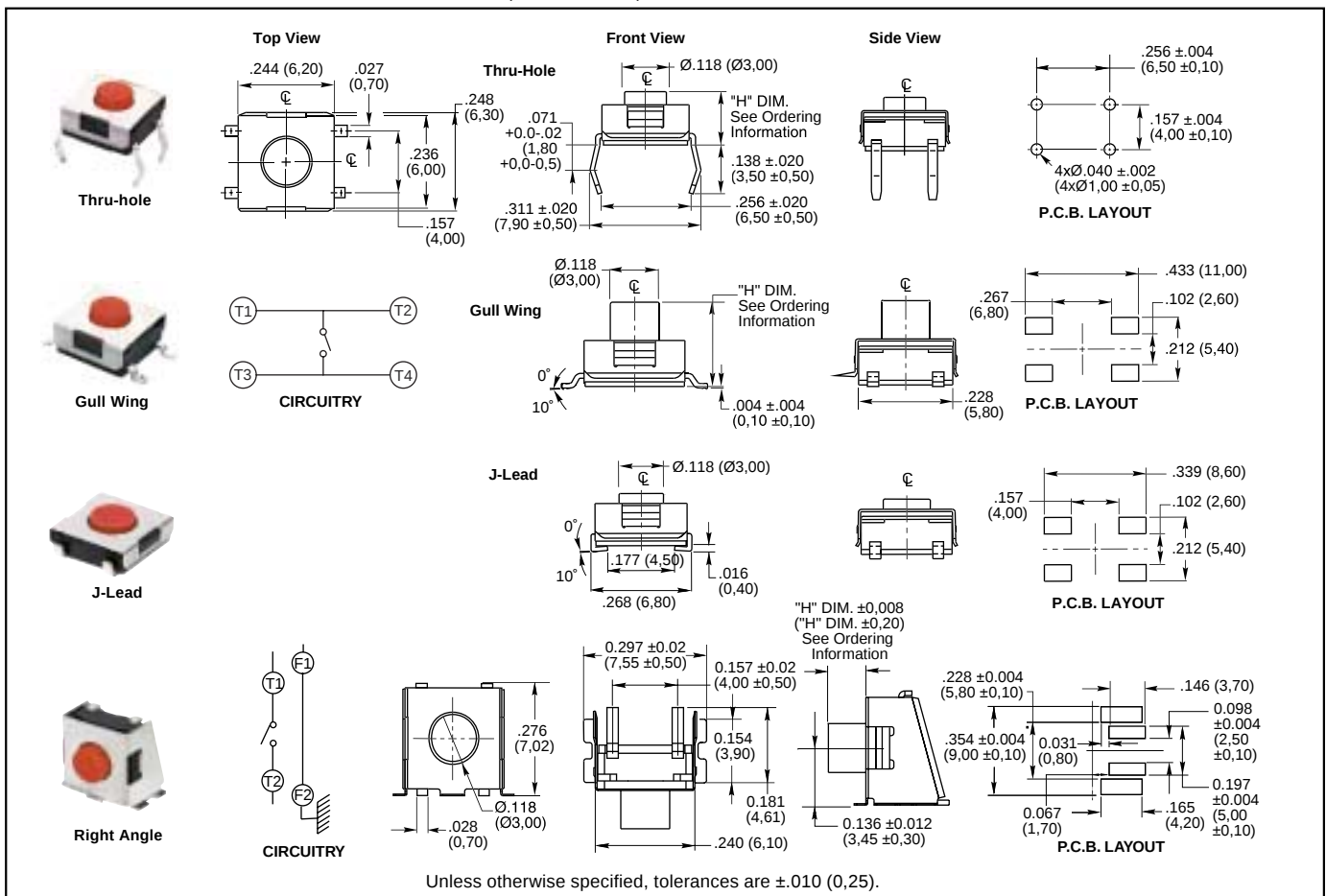
SMT Assembly Including Infrared and Vapor Phase

- Ultraminiature and Lightweight Structure Suitable for High Density Mounting
- Insert Molded Terminals to Prevent Flux Build-up During Soldering

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: Washable Switches In inches (and millimeters)



SPECIFICATIONS:

Washable Switches

Materials

Base: UL94V-0 Nylon or PPA high-temp thermoplastic, black
Cover: Stainless steel, tin-plated steel
Actuator: UL94V-0 Nylon thermoplastic
Terminal: Brass with silver-plating
Contact: Phosphor bronze with silver-plating
Cap: Thermoplastic ABS
Seal: Silicone Rubber

Electrical

Rating: 50mA, 12 Vdc
Life: See table, page C-12
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 320°C (608°F) approximately 2 seconds while applying solder.

Reflow Soldering (surface mount versions only): Peak temperature 240°C (464°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 in (mm)	Force (Grams)	Actuator Color	Electrical Life (Cycles)	Tube Packaging
95CW06A1	.091 (2,3)	160	Silver	100,000	75PCS/Tube
95CW06B1	.122 (3,1)	160	Brown	100,000	75PCS/Tube
95CW06C2	.138 (3,5)	180	Brown	500,000	75PCS/Tube
95CW06C3	.138 (3,5)	260	Red	500,000	75PCS/Tube
95CW06C5	.138 (3,5)	360	Clear	500,000	75PCS/Tube
95CW06D2	.150 (3,8)	180	Brown	500,000	75PCS/Tube
95CW06D3	.150 (3,8)	260	Red	500,000	75PCS/Tube
95CW06D4	.150 (3,8)	520	Yellow	50,000	75PCS/Tube
95CW06D5	.150 (3,8)	360	Clear	500,000	75PCS/Tube
95CW06E2	.205 (5,2)	180	Brown	500,000	77PCS/Tube
95CW06E3	.205 (5,2)	260	Red	500,000	77PCS/Tube
95CW06E4	.205 (5,2)	520	Yellow	50,000	77PCS/Tube
95CW06E5	.205 (5,2)	360	Clear	500,000	77PCS/Tube

Gull Wing

Part Number	Height in (mm)	Force (Grams)	Actuator Color	Electrical Life (Cycles)	Tube Packaging	Tape & Reel* Packaging
95CW06A1GW	.091 (2,29)	160	Silver	100,000	75PCS/Tube	2000PCS/Reel
95CW06B1GW	.122 (3,10)	160	Brown	100,000	75PCS/Tube	2000PCS/Reel
95CW06C2GW	.138 (3,51)	180	Brown	500,000	75PCS/Tube	1900PCS/Reel
95CW06C3GW	.138 (3,51)	260	Red	500,000	75PCS/Tube	1900PCS/Reel
95CW06C5GW	.138 (3,51)	360	Clear	500,000	75PCS/Tube	1900PCS/Reel
95CW06D2GW	.150 (3,81)	180	Brown	500,000	75PCS/Tube	1900PCS/Reel
95CW06D3GW	.150 (3,81)	260	Red	500,000	75PCS/Tube	1900PCS/Reel
95CW06D4GW	.150 (3,81)	520	Yellow	50,000	75PCS/Tube	1900PCS/Reel
95CW06D5GW	.150 (3,81)	360	Clear	500,000	75PCS/Tube	1900PCS/Reel
95CW06E2GW	.205 (5,21)	180	Brown	500,000	77PCS/Tube	900PCS/Reel
95CW06E3GW	.205 (5,21)	260	Red	500,000	77PCS/Tube	900PCS/Reel
95CW06E4GW	.205 (5,21)	520	Yellow	50,000	77PCS/Tube	900PCS/Reel
95CW06E5GW	.205 (5,21)	360	Clear	500,000	77PCS/Tube	900PCS/Reel

J-Lead

Part Number	Height in (mm)	Force (Grams)	Actuator Color	Electrical Life (Cycles)	Tube Packaging	Tape & Reel* Packaging
95CW06A1J	.091 (2,29)	160	Silver	100,000	75PCS/Tube	2000PCS/Reel
95CW06B1J	.122 (3,10)	160	Brown	100,000	75PCS/Tube	1900PCS/Reel
95CW06C2J	.138 (3,51)	180	Brown	500,000	75PCS/Tube	1800PCS/Reel
95CW06C3J	.138 (3,51)	260	Red	500,000	75PCS/Tube	1800PCS/Reel
95CW06C5J	.138 (3,51)	360	Clear	500,000	75PCS/Tube	1800PCS/Reel
95CW06D2J	.150 (3,81)	180	Brown	500,000	75PCS/Tube	1800PCS/Reel
95CW06D3J	.150 (3,81)	260	Red	500,000	75PCS/Tube	1800PCS/Reel
95CW06D4J	.150 (3,81)	520	Yellow	50,000	75PCS/Tube	1800PCS/Reel
95CW06D5J	.150 (3,81)	360	Clear	500,000	75PCS/Tube	1800PCS/Reel
95CW06E2J	.205 (5,21)	180	Brown	500,000	77PCS/Tube	900PCS/Reel
95CW06E3J	.205 (5,21)	260	Red	500,000	77PCS/Tube	900PCS/Reel
95CW06E4J	.205 (5,21)	520	Yellow	50,000	77PCS/Tube	900PCS/Reel
95CW06E5J	.205 (5,21)	360	Clear	500,000	77PCS/Tube	900PCS/Reel

Right Angle

Part Number	Height in (mm)	Force (Grams)	Actuator Color	Electrical Life (Cycles)	Tape & Reel Packaging
95CW06A3RAR	.031 (0,79)	260	Red	500,000	700PCS/Reel
95CW06B3RAR	.039 (0,99)	260	Red	500,000	700PCS/Reel
95CW06C3RAR	.091 (2,31)	280	Red	500,000	700PCS/Reel

Available from your local Grayhill Component Distributor. *Add "R" to end of part number for T&R packaging.
For prices and discounts, contact a local Sales Office, an authorized local distributor, or Grayhill.