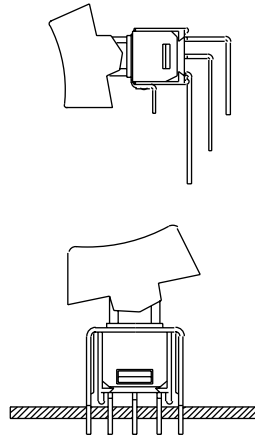


## SERIES 47C Sub-Miniature Rocker Switches

### FEATURES

- Save Space and Weight
- SPDT and DPDT Circuitry
- Choice of Actuators and Terminations



### MODELS In inches (and millimeters)

#### SPDT



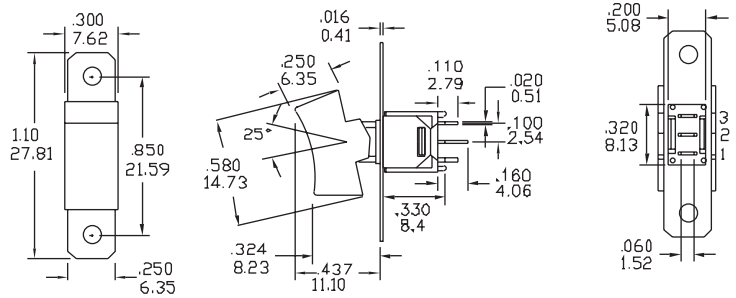
| Model No.   | Switching Position |      |      |
|-------------|--------------------|------|------|
|             |                    |      |      |
| MSP1        | ON                 | NONE | ON   |
| MSP2        | ON                 | NONE | (ON) |
| MSP3        | ON                 | OFF  | ON   |
| MSP4        | (ON)               | OFF  | (ON) |
| MSP5        | ON                 | OFF  | (ON) |
| Term. Comm. | 2-3                | OPEN | 2-1  |

Schematic

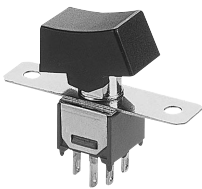
( ) = Momentary

02Comm.

1 3 •



#### DPDT



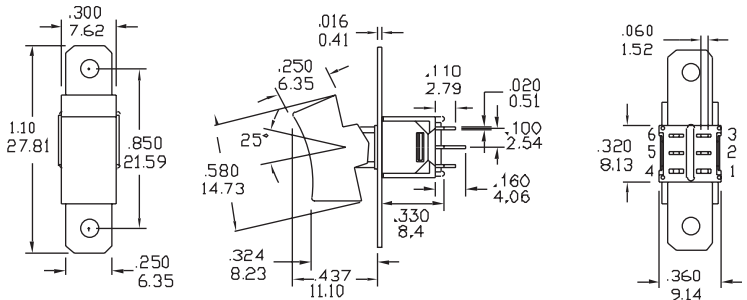
| Model No.   | Switching Position |      |          |
|-------------|--------------------|------|----------|
|             |                    |      |          |
| MDP1        | ON                 | NONE | ON       |
| MDP2        | ON                 | NONE | (ON)     |
| MDP3        | ON                 | OFF  | ON       |
| MDP4        | (ON)               | OFF  | (ON)     |
| MDP5        | ON                 | OFF  | (ON)     |
| Term. Comm. | 2-3, 5-6           | OPEN | 2-1, 5-4 |

Schematic

( ) = Momentary

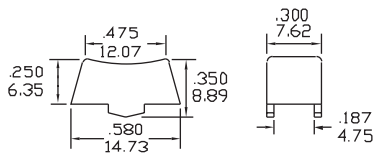
02Comm. 05Comm.

1 3 • - - - 4 6 •

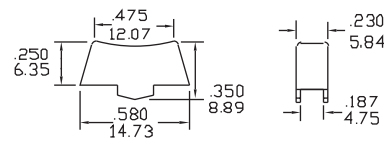


### ACTUATOR OPTIONS In inches (and millimeters)

#### R1



#### R2



**TERMINATION OPTIONS** In inches (and millimeters)

|   |   |
|---|---|
| <p><b>M1 Solder Lug</b></p> <p style="text-align: center;">Single Pole <span style="margin-left: 200px;">Double Pole</span></p> | <p><b>M2 P.C. Mount (Std)</b></p> <p style="text-align: center;">Single Pole <span style="margin-left: 200px;">Double Pole</span></p> |
|---|---|

**M6 Right Angle P.C. Mount, Horizontal Actuation**

|                    |  |  |  |
|--------------------|--|--|--|
| <p><b>SPDT</b></p> |  |  | <p style="text-align: center;">P.C. MOUNTING</p> |
| <p><b>DPDT</b></p> |  |  | <p style="text-align: center;">P.C. MOUNTING</p> |

**M7 Right Angle P.C. Mount, Vertical Actuation**

|                    |  |  |  |
|--------------------|--|--|--|
| <p><b>SPDT</b></p> |  |  | <p style="text-align: center;">P.C. MOUNTING</p> |
| <p><b>DPDT</b></p> |  |  | <p style="text-align: center;">P.C. MOUNTING</p> |

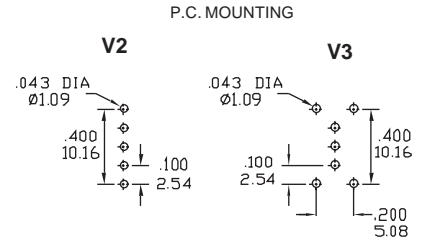
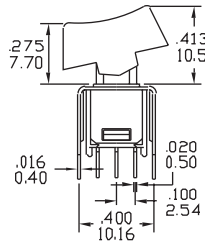
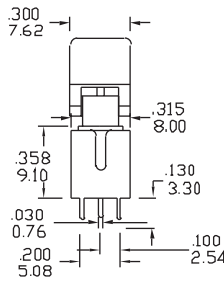
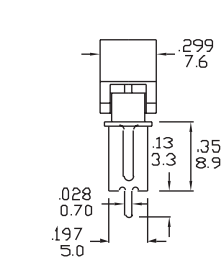
Rocker and Paddle Switches

**TERMINATION OPTIONS** In inches (and millimeters)

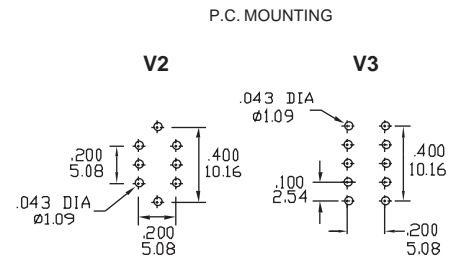
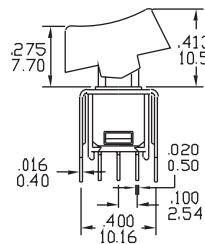
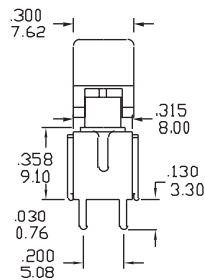
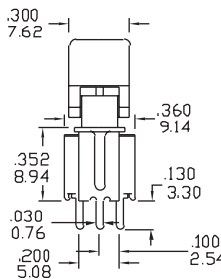
**V2-V3 Verical Bracket P.C. Mount**



SPDT



DPDT



**SPECIFICATIONS**

**RATINGS**

**Contact Rating:** Q option- 3A with resistive load @ 125 VAC or 28 VDC; 1.5A with resistive load @ 250 VAC. R option- 0.4VA max @ 20 Vmax (AC or DC)

**Electrical Life:** 30,000 make-and-break cycles at full load

**Contact Resistance:** 20 milliohms max.

initial @ 2-4 VDC, 100 mA

**Insulation Resistance:** 1,000 megaohms minimum

**Dielectric Strength:** 1,500 V RMS @ sea level

**Operating Temperature:** -30°C to 85°C

**MATERIALS**

**Case:** Diallyl phthalate (DAP) (UL94V-0)

**Rocker:** Nylon

**Bushing:** Brass, nickel plated

**Housing:** Stainless steel

**Terminal/Switch Support:** Brass, electroplated

**Contacts:** Copper alloy, gold plate over nickel plate

**Center Contact & Terminals:** Copper alloy, gold plated

**Terminal Seal:** Epoxy

**ORDERING INFORMATION**

| SERIES                              | MODEL NO.  | ACTUATOR                               | TERMINATION   | CONTACT  | SEAL           |
|-------------------------------------|--|--|---|--|----------------|
| 47C                                 | MSP1   | R2                                     | M6  | R  | E              |
| 47C = Sub-Miniature Rocker Switches | Options: MSP1, MSP2, MSP3, MSP4, MSP5, MDP1, MDP2, MDP3, MDP4, MDP5 (see models for switching positions) | Options: R1, R2 (see actuator options) | Options: M1, M2, M6, M7, V2, V3 (see termination options) | R = Copper alloy, gold plate over nickel plate.<br>Q = End terminal contact surface: coin silver<br>Center terminal contact surface: copper alloy, silver plated | E = Epoxy seal |

**Example Part Number:** 47CMSP1R2M6RE

Available from your local Grayhill Component Distributor. For prices and discounts, contact a local Sales Office, an authorized local Distributor In Beijing, CHINA, Phone:(010)6858-5001, Fax:(010)6851-9889, Homepage: <http://www.hmcs.com.cn>.