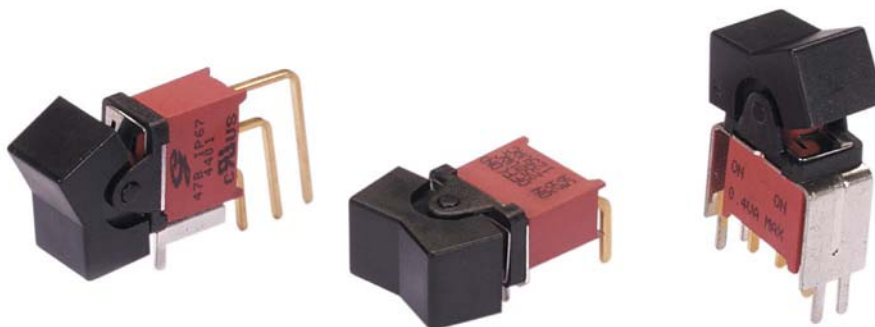


Sealed Miniature Rocker and Paddle Switches



- Save Space and Weight
- SPDT, DPDT and 3PDT Circuitry
- Choice of Actuators and Terminations
- Sealed per IP-67



MODEL NO.	SWITCH POSITION		
WSP1	ON	NONE	ON
WSP2	ON	NONE	(ON)
WSP3	ON	OFF	ON
WSP4	(ON)	OFF	(ON)
WSP5	ON	OFF	(ON)
TERM. COMM.	2-3	OPEN	2-1

1 ● ● 3

Technical drawing of a 4-hole vertical plate. The drawing shows a vertical plate with four circular holes. The dimensions are as follows:

- Top hole diameter: $\varnothing .094$ ($\varnothing 2.39$)
- Bottom hole diameter: $\varnothing .094$ ($\varnothing 2.39$)
- Distance between hole centers: 1.156 (29.36)
- Distance from top edge to hole center: $.345$ (8.76)
- Distance from bottom edge to hole center: $.356$ (9.27)
- Distance from hole center to right edge: $.937$ (23.80)

Technical drawing of a cross-section of a mechanical assembly. The drawing shows a central shaft or pin passing through a housing. Key dimensions and labels are as follows:

- Top dimension:** .078 (1.98) with arrows indicating the width of a feature at the top.
- Second dimension from top:** .030 (0.76) with arrows indicating the thickness of a layer.
- Label:** "EPOXY SEAL" with an arrow pointing to a layer between the housing and the shaft.
- Third dimension from top:** .185 (4.70) with arrows indicating the height of a section.
- Fourth dimension from top:** .156 (3.96) with arrows indicating the height of another section.
- Fifth dimension from top:** .059 (1.50) with arrows indicating the width of a feature.
- Bottom dimension:** .131 (3.33) with arrows indicating the width of the base.

Technical drawing of a component with the following dimensions:

- Overall width: .260 (6.60)
- Overall height: .500 (12.70)
- Central rectangular slot: width .100 (2.54), height .100 (2.54)
- Three circular holes: diameter .063 (1.60), spaced .100 (2.54) apart vertically

MODEL NO.	SWITCH POSITION		
			
WDP1	ON	NONE	ON
WDP2	ON	NONE	(ON)
WDP3	ON	OFF	ON
WDP4	(ON)	OFF	(ON)
WDP5	ON	OFF	(ON)
TERM. COMM.	2-3-5-6	OPEN	2-1-5-4

02COMM. 05COMM.

Technical drawing of a 1/2 inch female die. The drawing shows a side view of the die with the following dimensions:

- Overall height: 1.156 (29.36)
- Top flange thickness: .345 (8.76)
- Top flange outer diameter: Ø.094 (Ø2.39)
- Body diameter: .937 (23.80)
- Bottom flange thickness: .356 (9.27)

Technical drawing of a cross-section of a mechanical assembly. The drawing shows a central shaft or pin passing through a housing. A cap screw is shown on the left, securing the assembly. An "EPOXY SEAL" is indicated on the right, showing the application of sealant between the housing and the shaft. Dimensions are provided in inches and millimeters:

- Top left dimension: $.078$ (1.98)
- Top right dimension: $.030$ (0.76)
- Right side dimension (from housing face to epoxy seal): $.185$ (4.70)
- Right side dimension (from epoxy seal to shaft): $.156$ (3.96)
- Bottom left dimension (from cap screw head to shaft): $.31$ (33)
- Bottom center dimension (from shaft to housing): $.059$ (1.50)

MODEL NO.	SWITCH POSITION		
			
W3P1	ON	NONE	ON
W3P2	ON	NONE	(ON)
W3P3	ON	OFF	ON
W3P4	(ON)	OFF	(ON)
W3P5	ON	OFF	(ON)
TERM. COMM.	2-3-5-6	OPEN	2-1-5-4

02COMM. 05COMM. 08COMM.

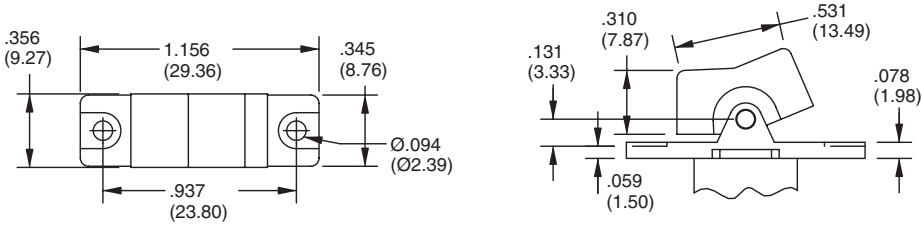
Technical drawing of a cross-section of a mechanical assembly. The drawing shows a central component with a circular feature on the left and a rectangular feature on the right. Dimensions are provided in inches and millimeters:

- Top left dimension: .078 (1.98)
- Top right dimension: .030 (0.76)
- Right side dimension: .185 (4.70)
- Bottom right dimension: .156 (3.96)
- Bottom center dimension: .059 (1.50)
- Bottom left dimension: .131 (3.33)

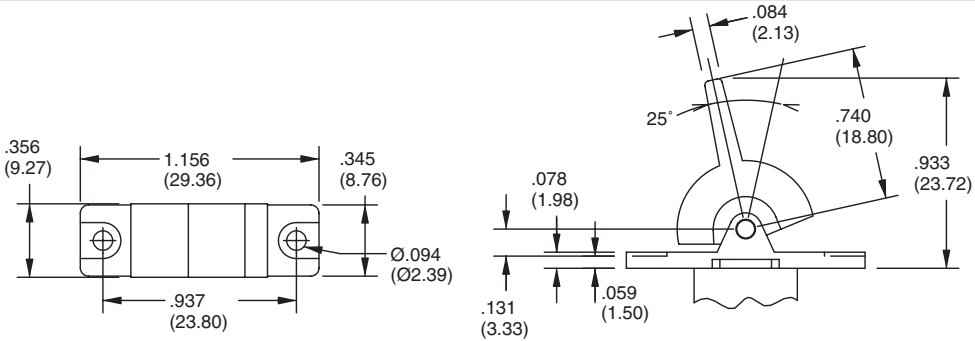
The text "EPOXY SEAL" is written on the right side of the drawing, with an arrow pointing to a specific area.

ACTUATOR OPTIONS In inches (and millimeters)

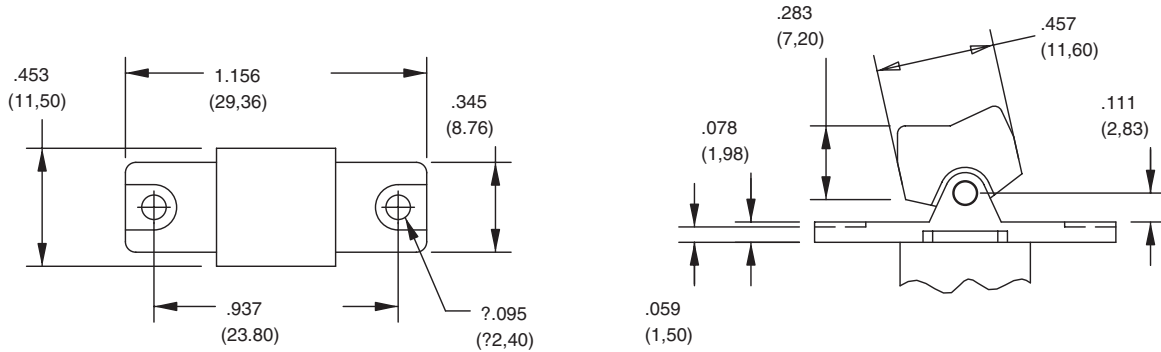
R1



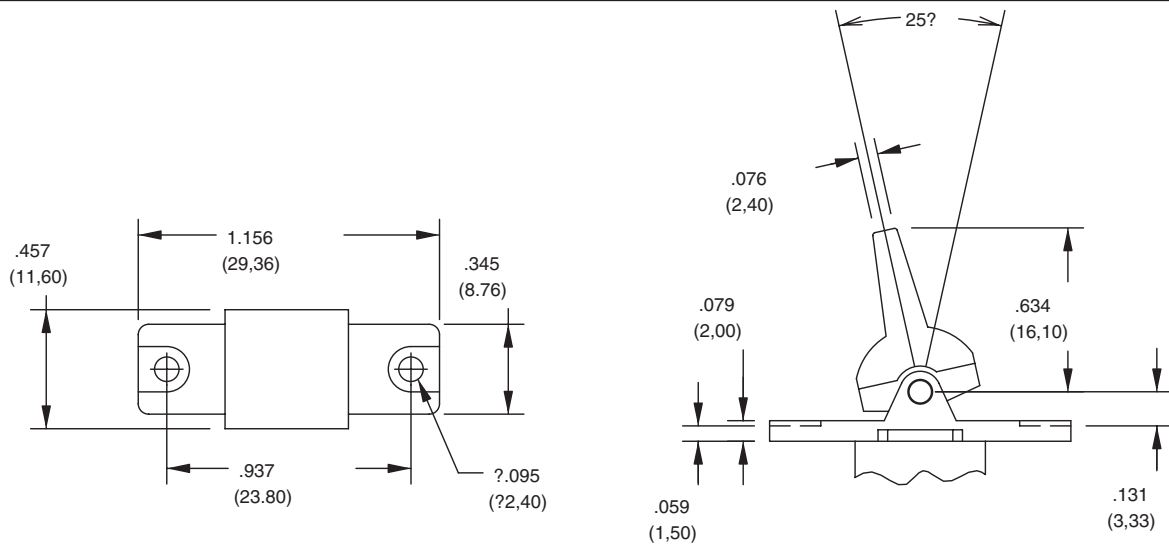
R2

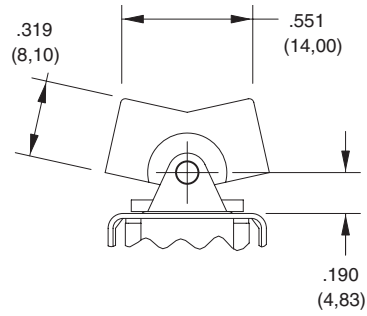
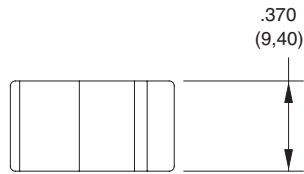
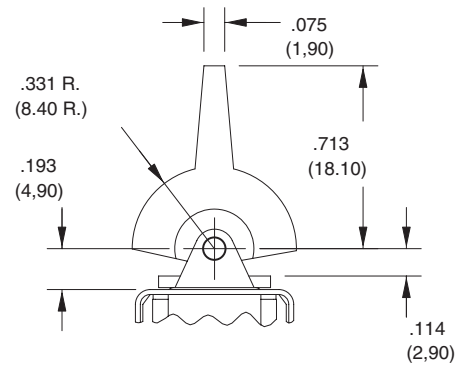
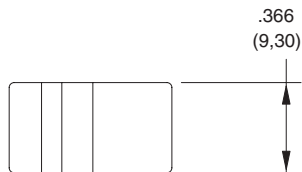
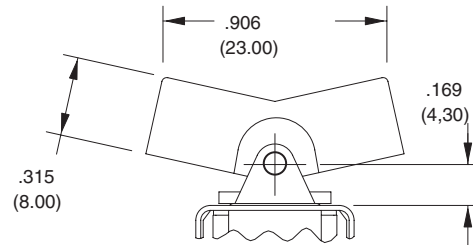
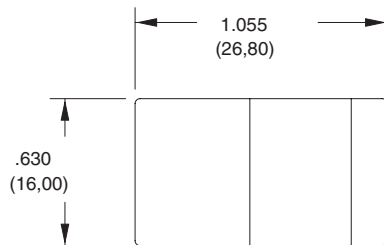
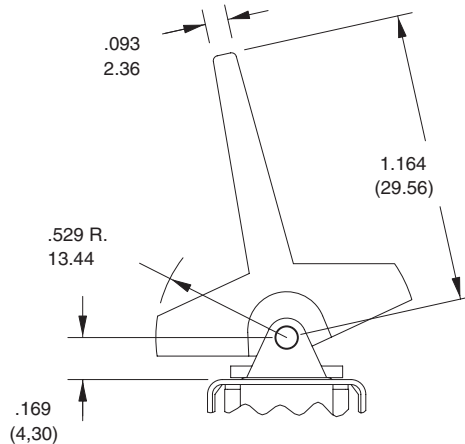
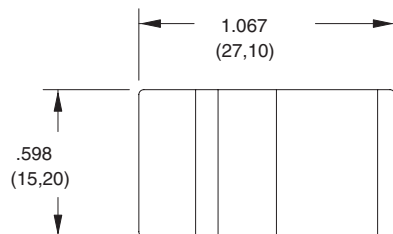
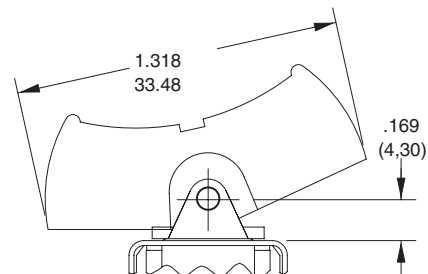
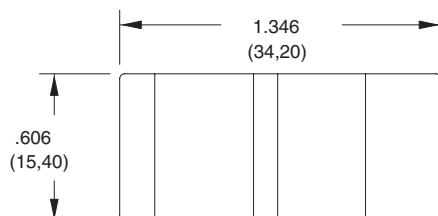


R3

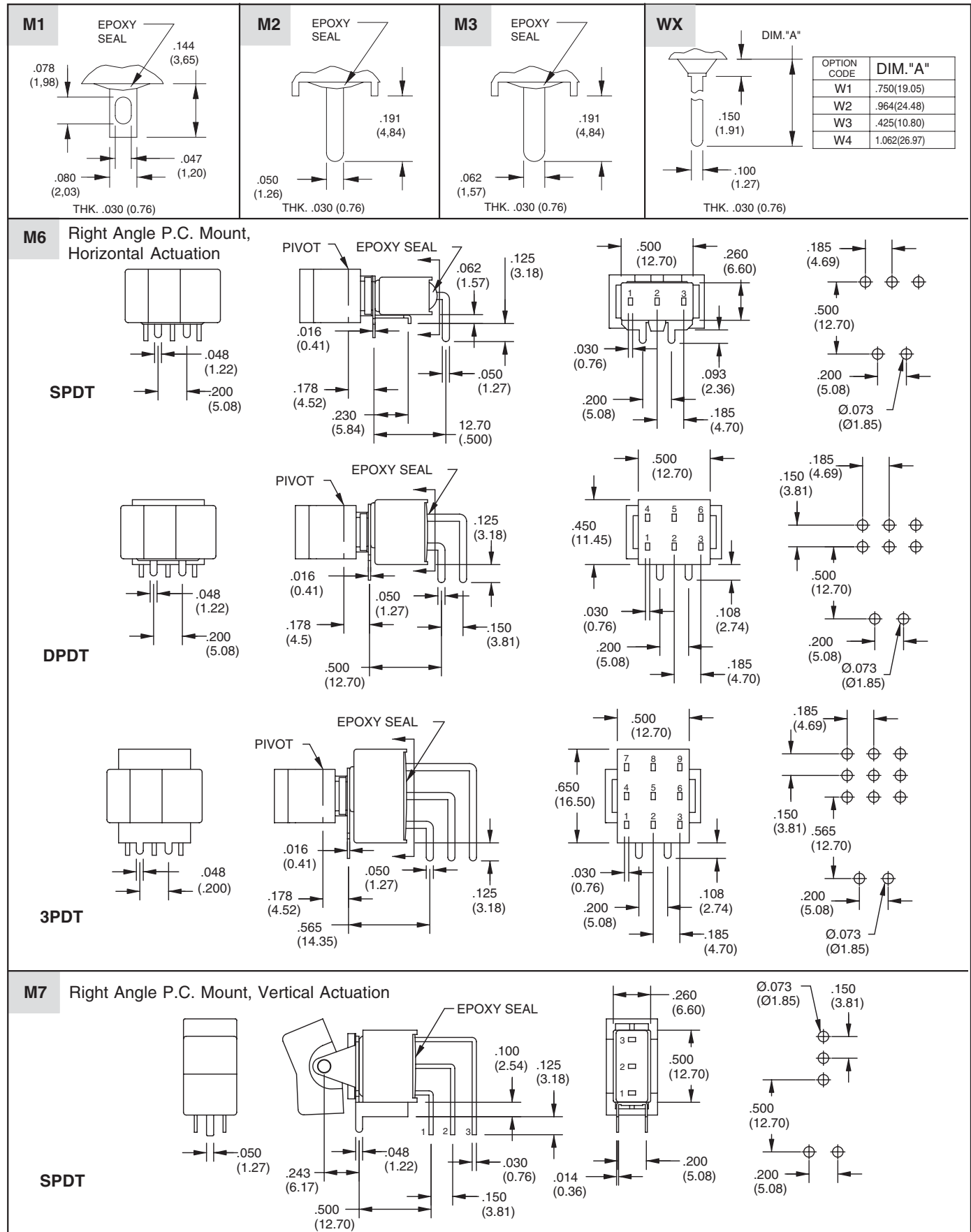


R4

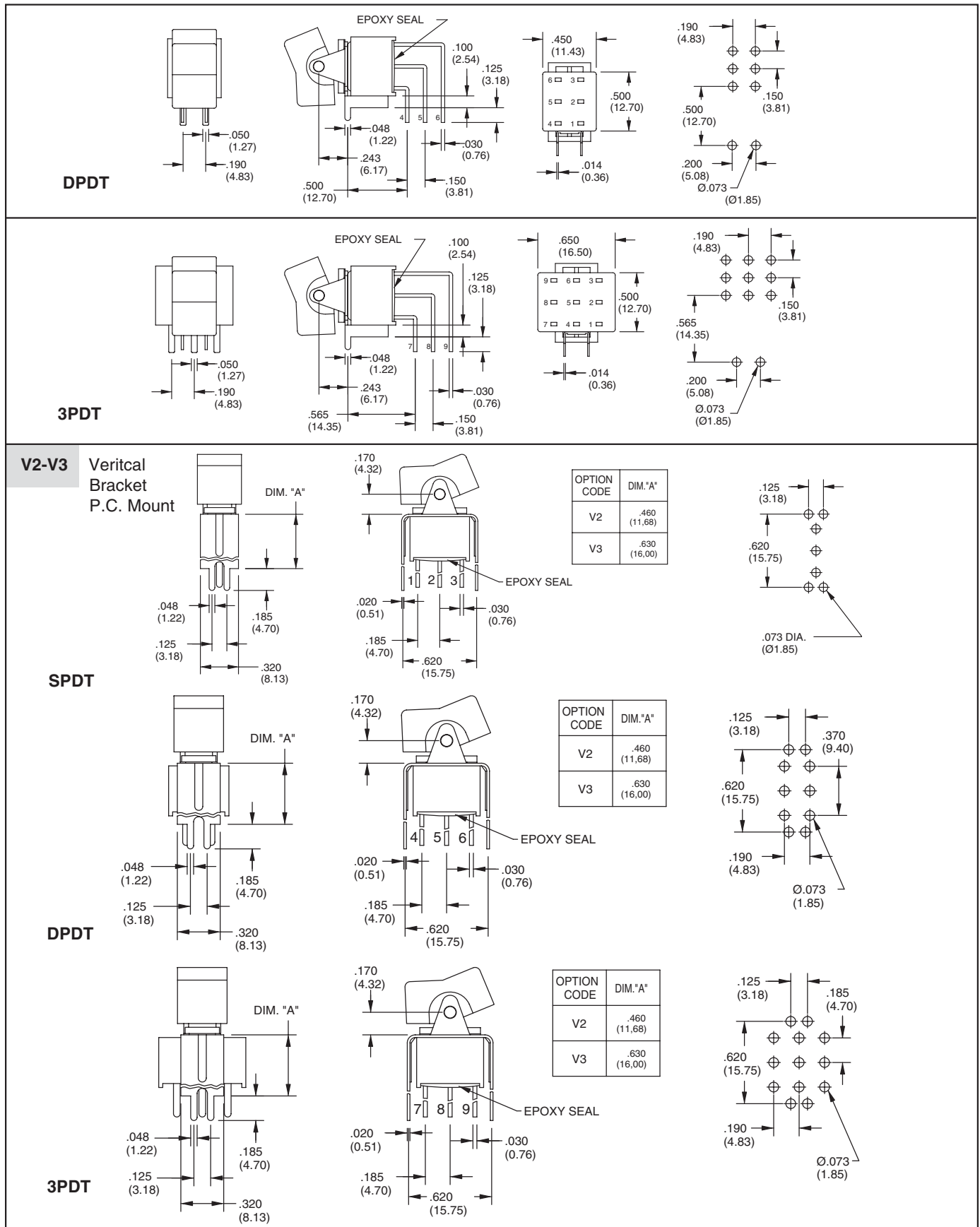


ACTUATOR OPTIONS In inches (and millimeters)**J1****J2****J3****J4****J5**

TERMINATION OPTIONS In inches (and millimeters)



TERMINATION OPTIONS In inches (and millimeters)



SPECIFICATIONS

RATINGS

Contact Rating: Q option - 5A with resistive load @ 125 VAC or 28 VDC; 2A with resistive load @ 250 VAC. R option - 0.4 VA max @ 20 Vmax (AC or DC)

Electrical Life: 50,000 make-and-break cycles at full load

Contact Resistance: Below 10 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 and Bushing: Glass-filled nylon 6/6, flame retardant, heat stabilized (UL94V-0)

Actuator: Nylon, black standard. Internal O-ring seal standard with all actuators.

Frame: Spring steel, black (standard)

Switch Support: Brass, tin-plated

Actuator Pivot & Mounting Bracket:

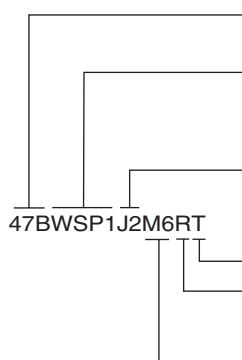
Nylon (UL 94V-0)

Actuator Pivot Retainer: Stainless Steel

Terminal Seal: Epoxy

Terminal/Contacts: Copper alloy with gold plate over nickel or silver plate

ORDERING INFORMATION



Series Sealed Miniature Rocker and Paddle Switches

Model: SPDT: WSP1, WSP2, WSP3, WSP4, WSP5

DPDT: WDP1, WDP2, WDP3, WDP4, WDP5

3PDT: W3P1, W3P2, W3P3, W3P4, W3P5

(See Model options.)

Actuator: R1, R2, R3, R4, J1, J2, J3, J4, J5

(See Actuator options)

RoHS Compliant

Contact: R = Copper alloy, gold plate over nickel plate,

Q = Copper alloy, gold plate over silver plate

Termination Options: M1, M2, M6, M7, V2, V3, W1, W2, W3, W4

(See Termination options)

Available from your local Grayhill Component Distributor. For prices and discounts, contact a local Sales Office, an authorized local Distributor or Grayhill.