

MODEL 82 SW

1/4" Diameter

Sealed Switch



ELECTRICAL

Input Voltage, Maximum	16 Vdc
Slider Current, Maximum	100mA or within rated power, whichever is less
Insulation Resistance, Minimum	10 Megohms
Contact Resistance, Maximum	2 Ohms
Contact Timing	Non-shorting
Switch Type	Single Pole / Double Throw (SPDT)

ENVIRONMENTAL

Seal	85°C Fluorinert® (No Leaks)
Operating Temperature Range	–55°C to +125°C
Thermal Shock	5 cycles, –55°C to +125°C
Moisture Resistance	Ten 24 hour cycles
Shock, 6ms Sawtooth	100G's
Vibration	20G's, 10 to 2,000 Hz
Rotational Life	200 cycles
Resistance to Solder Heat	260°C for 10 sec.

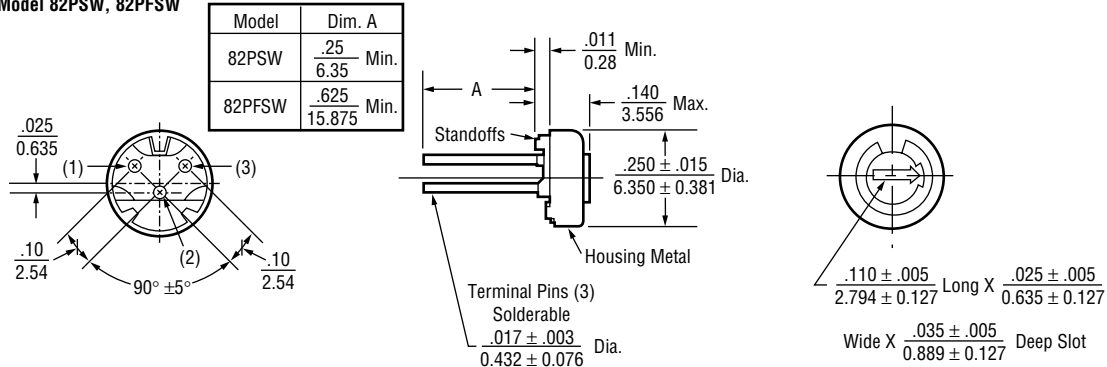
MECHANICAL

Stop Strength	5 oz.-in.
Torque, Starting Maximum	3 oz.-in. (0.021 N-m)
Weight, Nominal	.02 oz. (0.60 grams)

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 Specifications subject to change without notice.
 Last Update: 06/24/02.

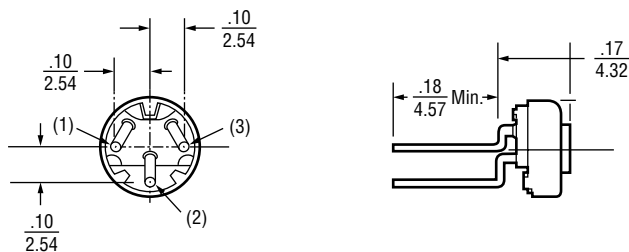
TOP ADJUSTMENT (Inch/mm)

Model 82PSW, 82PFSW

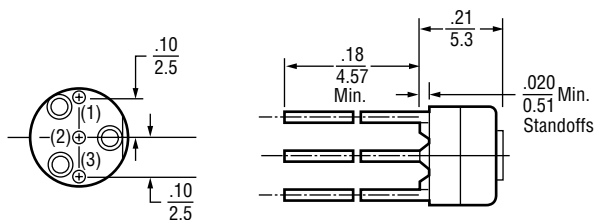


Note: Model 82PSW dimensions applicable to all models except as noted.

Model 82MSW



Model 82WSW



SIDE ADJUSTMENT (Inch/mm)

Model 82PASW

Technical drawing showing the front and side views of the Model 82PASW component with dimensions and tolerances.

Front View Dimensions:

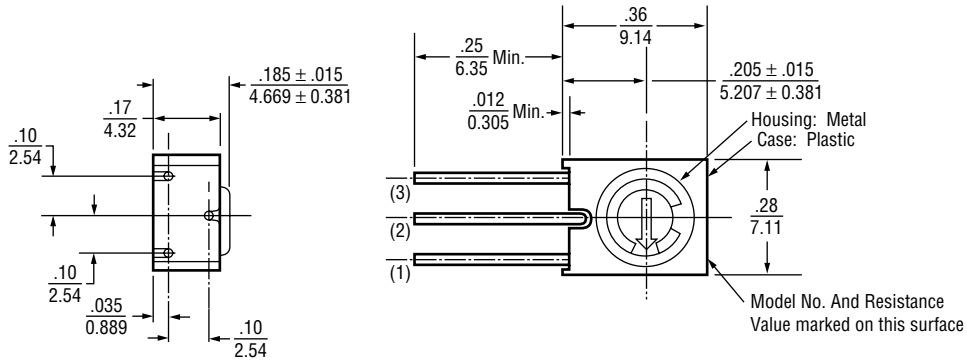
- Top width: $.10 \pm .015$
- Top width: $.17 \pm .015$
- Top width: $.185 \pm .015$
- Top width: $.4669 \pm 0.381$
- Bottom width: $.10 \pm .015$
- Bottom width: $.035 \pm .015$
- Bottom width: $.0889 \pm .015$
- Bottom width: $.10 \pm .015$
- Bottom width: $.254 \pm .015$

Side View Dimensions:

- Top width: $.36 \pm .015$
- Top width: $.914 \pm .015$
- Top width: $.205 \pm .015$
- Top width: $.5207 \pm 0.381$
- Bottom width: $.28 \pm .015$
- Bottom width: $.711 \pm .015$

Notes:

- Housing: Metal
- Case: Plastic
- Model No. And Resistance Value marked on this surface



PACKAGING

Standard: Boxes				
	Capacity	=	50 Units (82PASW, 82PFSW)	
		=	100 Units (All other styles)	
Option: Tubes				
All units oriented with #1 pin to same side.				
	Pin Style		PASW	PSW,MSW,WSW
Magazine	Width	=	0.28"	0.34"
	Height	=	0.94"	0.65"
	Length	=	15.6"	27.5"
	Capacity	=	50 Units	100 Units
Option: Tape & Reel, Ammo Pack (Available for 82WSW Only)				
All units oriented with #1 pin to the right of the direction of feed.				
	Seat Plane to Centerline of Sprocket Hole	=	.71" (18.03 mm)	
Tape	Width	=	18 mm	
	Sprocket	=	Single Hole .50" spacing	
	Capacity	=	1,000 Units	
Reel	Diameter	=	14" (356 mm)	
Ammo	Tape Fold	=	12" (305 mm)	
	Box	=	1.5" x 13" x 10"	

Option: Tubes
All units oriented with #1 pin to same side.

Option: Tape & Reel, Ammo Pack (Available for 82WSW Only)
All units oriented with #1 pin to the right of the direction of feed.

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ORDERING INFORMATION

Standard:

Model Series **82** Pin Style **P** Switch Designator **SW**

Option:

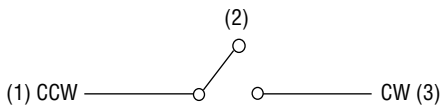
Pin Style **82 W** Switch Designator **SW** Packaging Option: **TB**
 TB = Tubes
 (Pin styles PSW, PASW, MSW, WSW)

Option:

Pin Style **82 W F** Switch Designator **SW** Packaging Option: **TR**
 AP = Ammo pack
 TR = Tape & Reel
 (Pin styles WSW, XSW only)

Pin Style Suffix: _____
 (Used with AP and TR packaging options.
 Applicable to pin styles WSW only.
 "F" designates 0.60" lead length.)

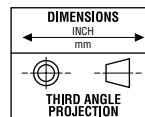
CIRCUIT DIAGRAM



NOTES

Metric equivalents, based on 1 inch = 25.4mm are rounded to the same number of significant figures as in the original English units and are provided for general information only.

Tolerances unless otherwise specified:
 Linear = $\pm .01$ inches (.25mm)
 Angular = ± 2 degrees



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