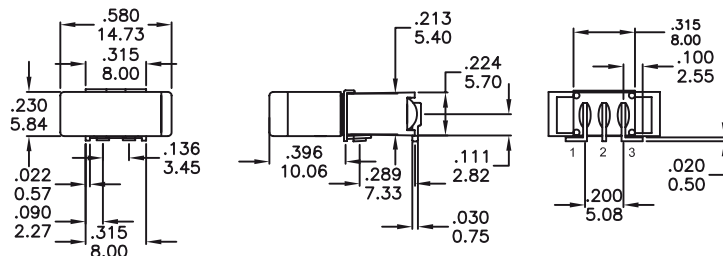
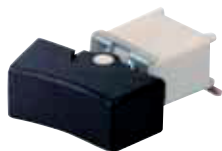


# Rocker Switches

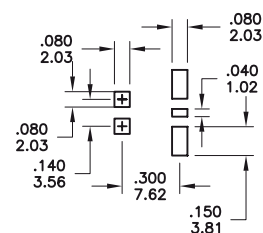
## Sealed Sub-Miniature SMT Rocker Switches SPDT

## RK17 Series

UL versions available by request

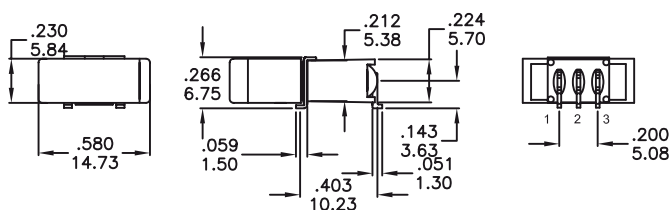


### P.C. MOUNTING

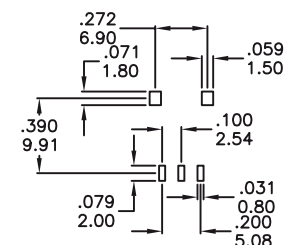


**RK17S1A2TTAUEV**

UL versions available by request



### P.C. MOUNTING



**RK17S1A2TZAUEV**

NO. POLES	MODEL NO.	SWITCH FUNCTION			CONNECTED TERMINALS / SCHEMATIC		
		POS.1	POS.2	POS.3	POS.1	POS.2	POS.3
SP	<b>RK17S1</b>	ON	NONE	ON	2-3	N/A	2-1
	<b>RK17S2</b>	ON	NONE	MOM			
	<b>RK17S3</b>	ON	OFF	ON		OPEN	
	<b>RK17S4</b>	MOM	OFF	MOM			
	<b>RK17S5</b>	ON	OFF	MOM			

### How to order:

RK17 1 2 3 4 5 6

- 1 POLES & CIRCUIT:**  
**S1** SP ON-NONE-ON  
**S2** SP ON-NONE-MOM  
**S3** SP ON-OFF-ON  
**S4** SP MOM-OFF-MOM  
**S5** SP ON-OFF-MOM

- 2 ACTUATOR:**  
**A2** Standard Rocker

- 3 TERMINALS:**  
**TT** SMT Type (See drawing)  
**TZ** SMT Type 2 (See drawing)

- 4 CONTACT MATERIAL:**  
**AG** Silver  
**AU** Gold  
**UT** Gold, tin-lead  
**GT** Silver, tin-lead  
**UG** Gold over Silver  
**UGT** Gold over Silver, Tin-lead

- 5 SEAL:**  
**E** Epoxy (Standard)

- 6 ROHS & LEADFREE:**  
**No Code** RoHS Compliant  
**V** RoHS & Lead Free

### General Specifications:

#### MATERIALS

- » Movable Contact & Fixed Terminals:  
 AG, GT, UG & UGT: Silver plated over copper alloy  
 AU & UT: Gold over nickel plated over copper alloy

#### MECHANICAL

- » Operating Temperature: -30°C to +85°C
- » Mechanical Life: 50,000 cycles

#### CONTACT RATING

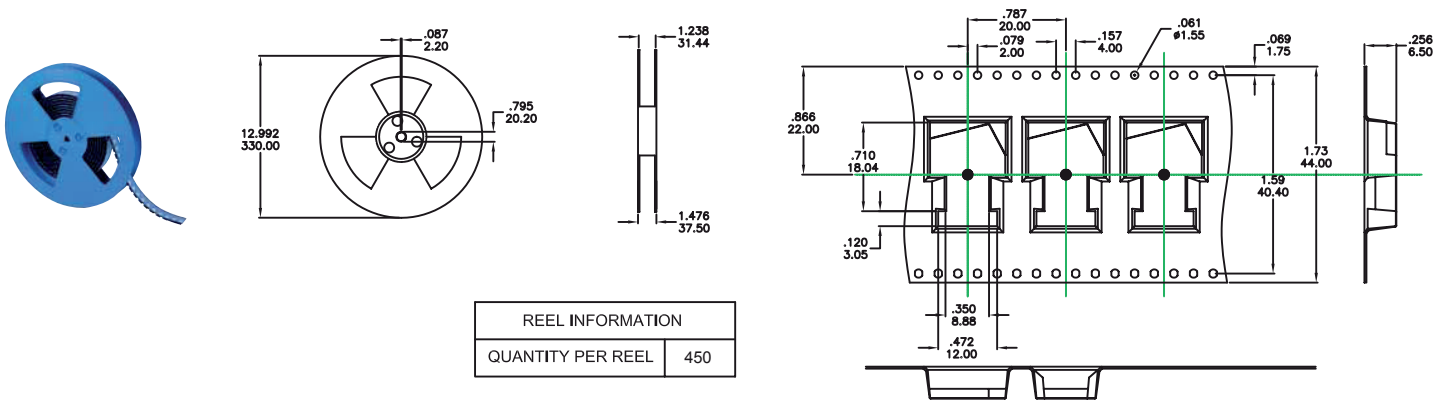
- » AG, GT, UG & UGT: 5A120VAC/28VDC 2A250VAC
- » AU & UT: 0.4VA max. 20V max. (AC/DC)

#### ELECTRICAL

- » Contact Resistance: 20mΩ max. initial @ 2-4VDC  
 100mA for silver & gold plated contacts
- » Insulation Resistance: 1,000MΩ min.

### PACKAGING

Switches available on embossed antistatic tape and reels.  
Tape and cover strip are conductive for use near statically sensitive components.



### SOLDERING PROCESSES

**MANUAL SOLDERING** : Use soldering iron of 30 watts, controlled at 350°C approximately 5 seconds while applying solder.

**WAVE SOLDERING** : Recommended Soldering Temperature: 260±5°C  
Duration of Solder Immersion: 5 ±1 seconds  
(PCB is 1.6mm in thickness)

**SOLDERING** : Vapor phase & IR- reflow soldering can be applied.

### Temperature Profile

Zone	Room temperature	Time ( Sec )
Pre-heat ( A )	150°C	Min 120s
Soak ( B )	180°C~200°C	Min 150s
Peak ( C )	200°C~235°C	Min 30s
Peak ( D )	235°C~260°C	Min 40s
Peak ( E )	260°C	Max 10s

