
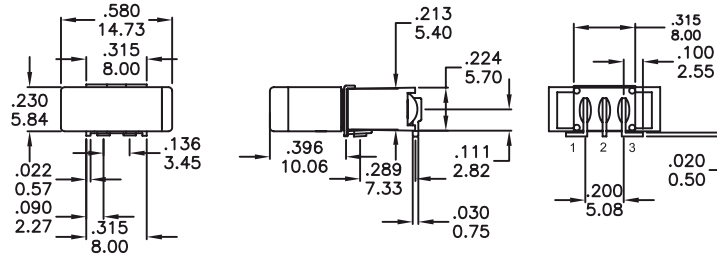


Rocker Switches

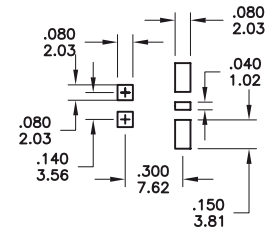
Sealed Sub-Miniature SMT Rocker Switches SPDT

RK17 Series


 UL versions available by request

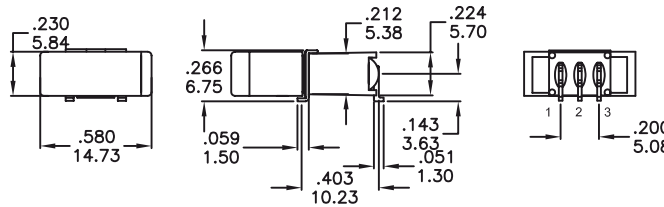


P.C. MOUNTING

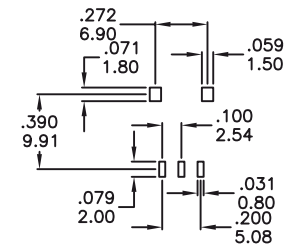


RK17S1A2TTAUEV



 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 | RK17S1 | ON | NONE | ON | 2-3 | N/A | 2-1 |
| | RK17S2 | ON | NONE | MOM | | | |
| | RK17S3 | ON | OFF | ON |  | OPEN |  |
| | RK17S4 | MOM | OFF | MOM | | | |
| | RK17S5 | ON | OFF | MOM | | | |

How to order:

RK17

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:

- 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
- » Degree of Protection: IP67

CONTACT RATING

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

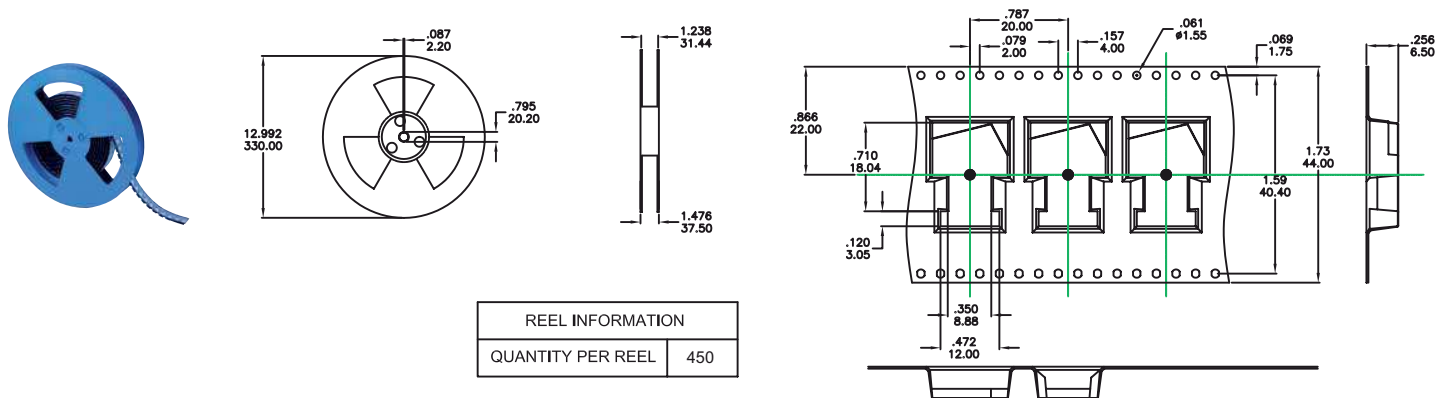
ELECTRICAL

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

All specifications are restricted to QA test criteria.
 DRW: B.R. JIN, CHK: P.G. GAO, APP: F. H. KANG, DC: 2006-11-08, UPD: 2025-03-11.

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 |

