### JS Series

#### Sub-Miniature Slide Switches

### Features/Benefits
- Positive detent
- Low profile
- IR reflow to 260° solder profile
- Surface and thru hole mounting
- SPDT, DPDT, DP3T models
- RoHS compliant

### Typical Applications
- Telecommunication products
- Computer peripherals
- Thermostat select switch
- Instrumentation
- Medical

### Specifications

CONTACT RATING: 6 VDC @ 0.3A  
ELECTRICAL LIFE: 5,000 make-and-break cycles  
CONTACT RESISTANCE: 70 m Ω max.  
INSULATION RESISTANCE: 100 M Ω min. @ 500V.  
DIELECTRIC STRENGTH: 500 VAC min. @ sea level.  
OPERATING TEMPERATURE: -40ºC to +85ºC  
STORAGE TEMPERATURE: -40ºC to +85ºC

**NOTE:** Specifications and materials listed above are for switches with standard options. For information on specific and custom switches, consult Customer Service Center.

### Materials

HOUSING: 4/6 nylon (UL94V-2), black.  
ACTUATOR: 4/6 nylon (UL94V-2), black (some options white).  
CONTACTS: Copper alloy, silver plated.  
TERMINALS: Brass, silver plated

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**RIGHT ANGLE, PC THRU-HOLE**

- Part Number JS202011AQN
- DPDT

- Shown in position b

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Dimensions are shown: mm  
Specifications and dimensions subject to change  
www.ckswitches.com
JS Series
Sub-Miniature Slide Switches

RIGHT ANGLE, PC THRU-HOLE

Part Number
JS203011AQN
DP3T

Shown in position b

PC THRU-HOLE

Part Number
JS203011CQN
DP3T

Shown in position b

Specifications and dimensions subject to change

Dimensions are shown: mm
JS Series
Sub-Miniature Slide Switches

PC THRU-HOLE

Dimensions are shown: mm
Specifications and dimensions subject to change

Part Number
JS202011CQN
DPDT

Shown in position a

PCB MOUNT - HOLE LAYOUT

TERMINAL No. 1

TYP 0,6

1,5±0,05

2,0

2 TRAVEL

CIRCUIT DIAGRAM
C: COMMON PIN

SHOWED IN POSITION a

TERMINAL No. 1

TYP 2,5

2 TRAVEL

3,5

CIRCUIT DIAGRAM
C: COMMON PIN

SHOWED IN POSITION a

Part number
JS203011SCQN
DP3T

Quantity per reel 900
Available in tape & reel only, see page I-60

SHOWED IN POSITION a

CIRCUIT DIAGRAM
C: COMMON PIN

SHOWED IN POSITION a

Part number
JS202011SCQN
DPDT

Shown in position b. Quantity per reel 1000
Available in tape & reel only, see page I-58
URFACE MOUNT

TERMINAL NO.1

PC MOUNT - TOLERANCE ±.05

CIRCUIT DIAGRAM
C: COMMON PIN
BOTTOM VIEW

PCB LAYOUT RECOMMENDED

Part Number
JS102011SCQN
SPDT

Shown in position a
Available in tape & reel only, see page I-59

Part Number
JS207011SCQNR
DP3T

Shown in position b
Available in tape & reel only, see page I-58

Specifications and dimensions subject to change
JS Series
Sub-Miniature Slide Switches

PC THRU-HOLE

Dimensions are shown: mm
Specifications and dimensions subject to change

Part Number
JS207011CQNR
DP3T
Shown in position b

Part Number
JS102011JAQN
SPDT
Shown in position
Available in tape & reel only, see page I-59

PCB LAYOUT RECOMMENDED
JS Series
Sub-Miniature Slide Switches

VERTICAL MOUNT SMT - J BEND

Part Number
JS102011JCQN
SPDT

Available in tape & reel only, see page I-59

CIRCUIT DIAGRAM
C: COMMON PIN
BOTTOM VIEW

PCB LAYOUT RECOMMENDED

PART NUMBER
JS102011JCQN
SPDT

VERTICAL MOUNT SMT - J BEND

Part Number
JS202011JAQN
DPDT

Shown in position

Available in tape & reel only, see page I-61

CIRCUIT DIAGRAM
C: COMMON PIN
BOTTOM VIEW

PCB LAYOUT RECOMMENDED

Dimensions are shown: mm
Specifications and dimensions subject to change

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JS Series
Sub-Miniature Slide Switches

VERTICAL MOUNT SMT - J BEND

Part Number
JS203011JCQN
DP3T
Shown in position b
Available in tape & reel only, see page I-60

SURFACE MOUNT - J BEND

Part Number
JS207011JCQNR
DP3T
Available in tape & reel only, see page I-58
JS Series
Sub-Miniature Slide Switches

TAPE AND REEL FOR PART NUMBER JS207011SCQNR, JS207011JCQNR

Quantity per reel 800

PACKING DETAIL 800 PCS

TAPE AND REEL FOR PART NUMBER JS202011SCQN

Quantity per reel 1000

Dimensions are shown: mm
Specifications and dimensions subject to change

www.ckswitches.com
TAPE AND REEL FOR PART NUMBER JS102011SAQN, JS102011JAQN

Quantity per reel 1000

Sub-Miniature Slide Switches

Dimensions are shown: mm
Specifications and dimensions subject to change

www.ckswitches.com
JS Series
Sub-Miniature Slide Switches

TAPE AND REEL FOR PART NUMBER JS203011SCQN, JS203011JCQN
Quantity per reel 900

TAPE AND REEL FOR PART NUMBER JS203011JAQN
Quantity per reel 1000
TAPE AND REEL FOR
PART NUMBER JS202011JCN
Quantity per reel 1300

TAPE AND REEL FOR PART NUMBER JS202011JCN
Quantity per reel 1000

Dimensions are shown: mm
Specifications and dimensions subject to change
www.ckswitches.com
JS Series
Sub-Miniature Slide Switches

Specifications
CONTACT RATING: 5 VDC @ 1mA
ELECTRICAL LIFE: 15,000 cycles.
CONTACT RESISTANCE: <100 m ohms (initial) <200 m ohms (after processing).
INSULATION RESISTANCE: 100 m ohms @500 VDC.
DIELECTRIC STRENGTH: 250 VAC.
OPERATING TEMPERATURE: -40°C to +85°C

Dimensions
LOW PROFILE .028±.004 (0.7±0.1) HIGH

Part Number
JS102000SAQN
SPDT

TAPE AND REEL FOR PART NUMBER JS102000SAQN
Quantity per reel 4000

Dimensions are shown: Inch (mm)
Specifications and dimensions subject to change

www.ckswitches.com