

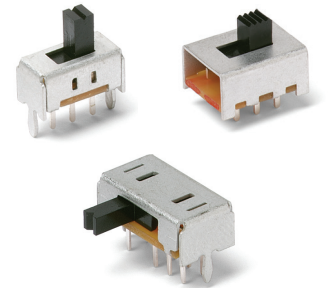
OS Series Miniature Slide Switches

Features/Benefits

- Variety of actuators & terminations
- PC and panel mounting
- Shorting or non-shorting contacts
- RoHS compliant
- Halogen free material

Typical Applications

- Test & measurement equipment
- Computer peripherals & network products
- Consumer products



Specifications

CONTACT RATING: See individual parts.
 MECHANICAL & ELECTRICAL LIFE: 10,000 cycles.
 CONTACT RESISTANCE: 20 m Ω or less.
 INSULATION RESISTANCE: 100 M Ω min. at 500 VDC.
 DIELECTRIC STRENGTH: 500 VAC for 1 minute.
 OPERATING TEMPERATURE: -30°C to +70°C.
 PACKAGING: Bulk

* For RoHS compatible switches contact customer service.

Materials

BASE: Phenolic resin.
 ACTUATOR: Standard: POM, Black.
 High Temperature Option: PA46, Black.
 HOUSING PLATE: Non-compatible; SPCC Sn plated.
 Compatible; SPCC Ni plated.
 MOVABLE CONTACT: Copper alloy, silver plated.
 STATIONARY CONTACTS: Brass, silver plated.
 TERMINALS: Brass, silver plated.
 TERMINAL SEALED.

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

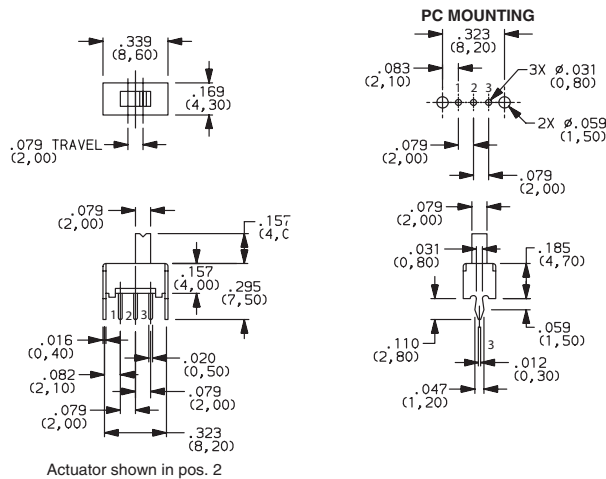
How To Order

Complete part numbers for OS Series Slide Switches are shown on pages I-37 through I-43.

PART NUMBER			SWITCH FUNCTION	
	RoHS Compliant	RoHS Compatible	POS.1	POS.2
OS102011MS2QN1 (non-shorting)	YES	NO	ON	ON
OS102011MS2QN1C* (non-shorting)	YES	YES	ON	ON
OS102011MS2QS1 (shorting)	YES	NO	ON	ON
OS102011MS2QS1C* (shorting)	YES	YES	ON	ON
CONN. TERMINALS			1-2	2-3
SCHEMATIC				
SPDT				

CONTACT RATING: 0.1A @ 12 VDC

* "C" option at the end of part number designates high temperature actuators

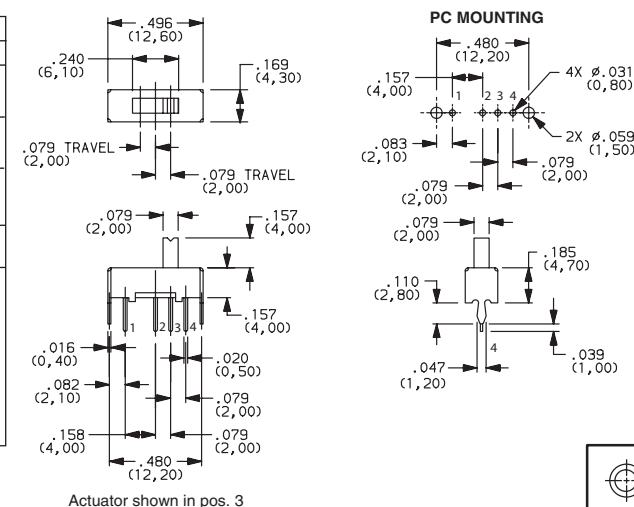


OS102011MS2QN1
SPDT

PART NUMBER			SWITCH FUNCTION		
	ROHS Compliant	ROHS Compatible	POS.1	POS.2	POS.3
OS103011MS8QP1 (Non-specified)	YES	NO	ON	ON	ON
OS103011MS8QP1C* (Non-specified)	YES	YES	ON	ON	ON
CONN. TERMINALS			1-2	2-3	2-4
SCHEMATIC					
SP3T					

CONTACT RATING: 0.1A @ 12 VDC

* "C" option at the end of part number designates high temperature actuators



OS103011MS8QP1
SP3T



Third Angle
Projection

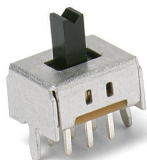
Dimensions are shown: Inches (mm)
 Specifications and dimensions subject to change



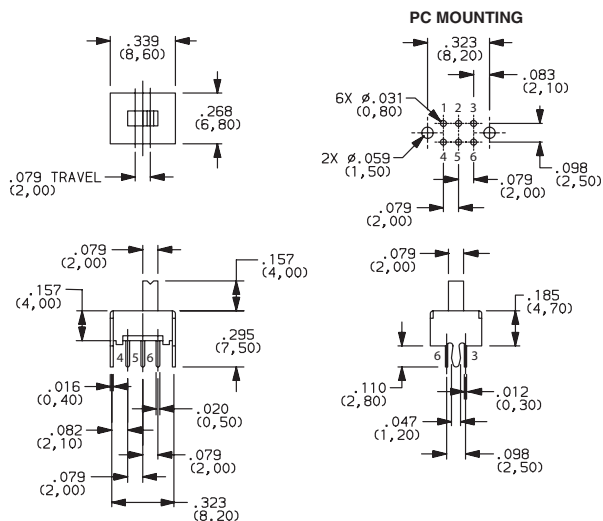
OS Series Miniature Slide Switches




Slide

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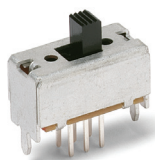


OS202011MS2QS1
DPDT

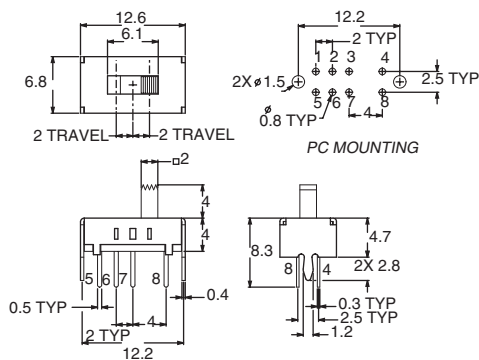





PART NUMBER			SWITCH FUNCTION	
			POS.1	POS.2
	RoHS Compliant	RoHS Compatible		
OS202011MS2QS1 (Shorting)	YES	NO	ON	ON
OS202011MS2QN1 (Non-shorting)	YES	NO	ON	ON
CONN. TERMINALS			1-2, 4-5	2-3, 5-6
SCHEMATIC				
				
DPDT				

CONTACT RATING: 0.1A @ 12 VDC

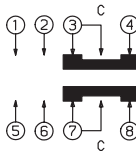


OS203011MS1QP1
DP3T



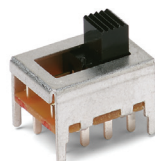
PART NUMBER			SWITCH FUNCTION		
	ROHS Compliant	ROHS Compatible	POS.1	POS.2	POS.3
OS203011MS1QP1 (Non-specified)	YES	NO			
CONN. TERMINALS			1-3, 5-7	2-3, 6-7	3-4, 7-8

SCHEMATIC

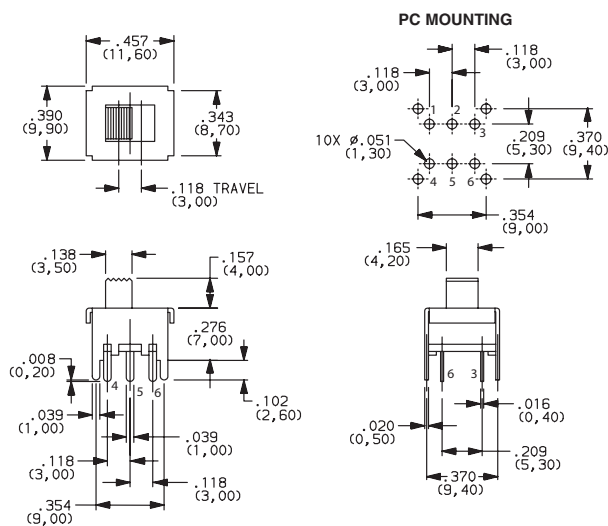





DP3T

CONTACT RATING: 0.3A @ 30 VDC

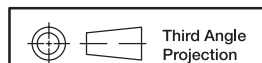


OS202013MT5QN1
DPDT



PART NUMBER			SWITCH FUNCTION	
			POS.1	POS.2
	RoHS Compliant	RoHS Compatible		
OS202013MT5QN1 (Non-shorting)	YES	NO	ON	ON
CONN. TERMINALS			1-2, 4-5	2-3, 5-6
SCHEMATIC				
				
DPDT				

CONTACT RATING: 0.3A @ 30 VDC



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

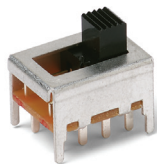
Slide

CONTACT RATING: 0.3A @ 30 VDC

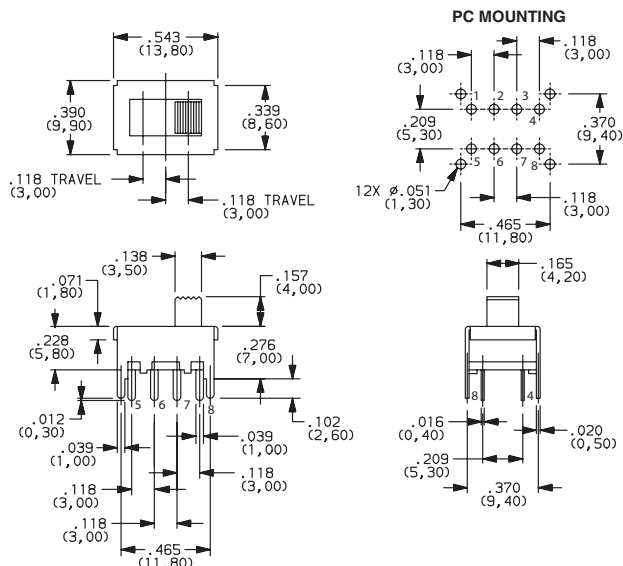
CONTACT RATING: 0.3A @ 30 VDC

CONTACT RATING: 0.3A @ 30 VDC

OS Series Miniature Slide Switches

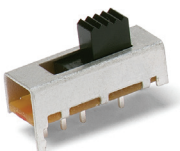


OS203013MT6QN1
DP3T

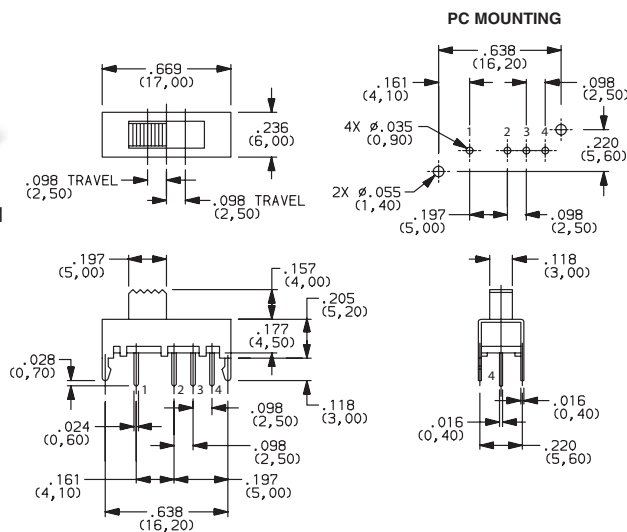


PART NUMBER	ROHS Compliant	ROHS Compatible	SWITCH FUNCTION		
			POS.1	POS.2	POS.3
OS203013MT6QN1 (Non-shorting)	YES	NO	ON	ON	ON
CONN. TERMINALS			1-2, 5-6	2-3, 6-7	3-4, 7-8
SCHEMATIC					
DP3T					

CONTACT RATING: 0.2A @ 30 VDC

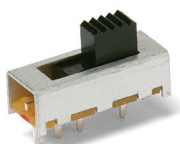


OS103012MU1QP1
SP3T

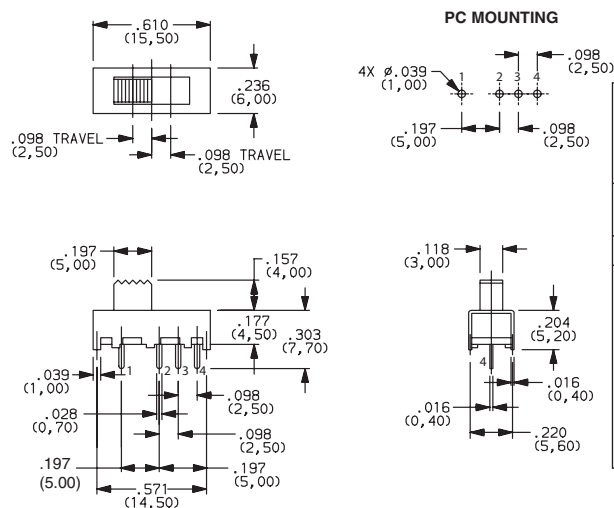


PART NUMBER	ROHS Compliant	ROHS Compatible	SWITCH FUNCTION		
			POS.1	POS.2	POS.3
OS103012MU1QP1 (Non-shorting)	YES	NO	ON	ON	ON
CONN. TERMINALS			1-2	2-3	2-4
SCHEMATIC					
SP3T					

CONTACT RATING: 0.2A @ 30 VDC



OS103012MU2QP1
SP3T



PART NUMBER	ROHS Compliant	ROHS Compatible	SWITCH FUNCTION		
			POS.1	POS.2	POS.3
OS103012MU2QP1 (Non-shorting)	YES	NO	ON	ON	ON
CONN. TERMINALS			1-2	2-3	2-4
SCHEMATIC					
SP3T					

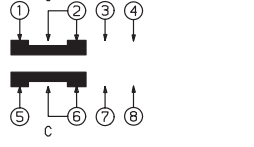
CONTACT RATING: 0.2A @ 30 VDC



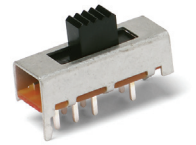
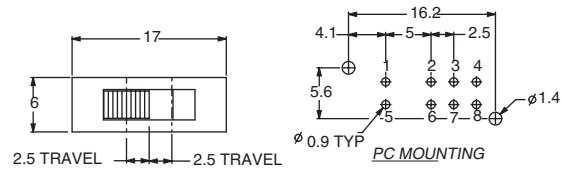
Dimensions are shown: Inch (mm)

Specifications and dimensions subject to change

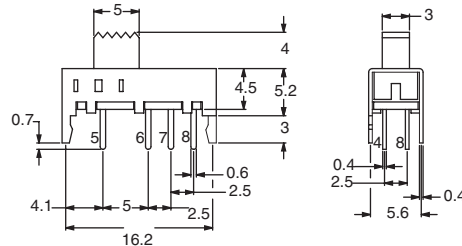
OS Series Miniature Slide Switches

PART NUMBER			SWITCH FUNCTION		
	ROHS Compliant	ROHS Compatible	POS.1	POS.2	POS.3
OS203012MU5QP1 (Non-specified)	YES	NO	ON	ON	ON
CONN. TERMINALS			1-2, 5-6	2-3, 6-7	2-4, 6-8
SCHEMATIC 					
DP3T					

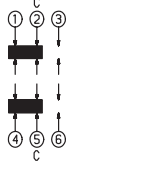
CONTACT RATING: 0.1A @ 30 VDC



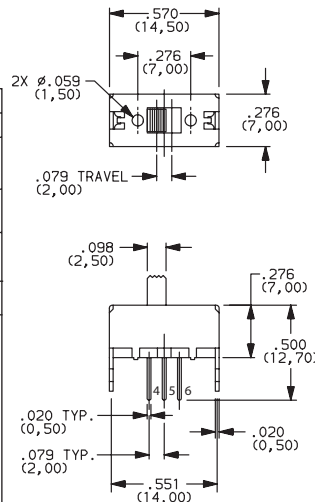
OS203012MU5QP1
DP3T



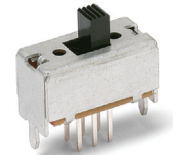
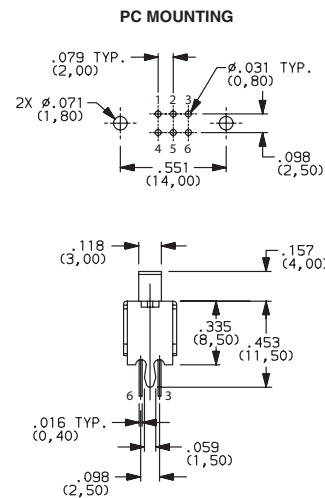
ACTUATOR SHOWN IN POS. 1

PART NUMBER			SWITCH FUNCTION	
	RoHS Compliant	RoHS Compatible	POS.1	POS.2
OS202011MV4QN1 (Non-shorting)	YES	NO	ON	ON
OS202011MV4QS1 (Shorting)	YES	NO	ON	ON
CONN. TERMINALS			1-2, 4-5	2-3, 5-6
SCHEMATIC 				
DPDT				

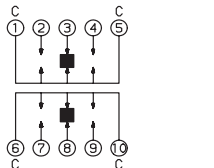
CONTACT RATING: 0.1A @ 30 VDC



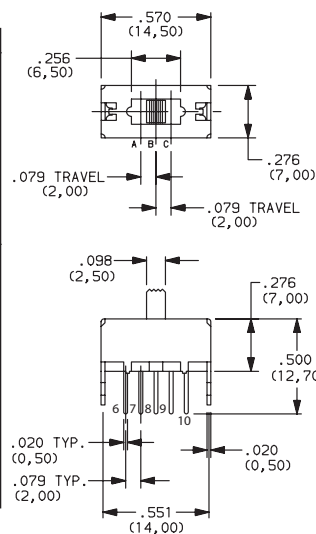
Actuator shown in pos. 1



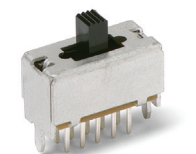
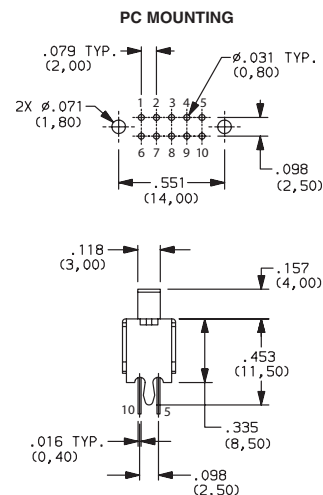
OS202011MV4QN1
DPDT

PART NUMBER			SWITCH FUNCTION		
	ROHS Compliant	ROHS Compatible	POS.1	POS.2	POS.3
OS203011MV9QS1 (Shorting)	YES	NO	ON	ON	ON
OS203011MV9QN1 (Non-Shorting)	YES	NO	ON	ON	ON
CONN. TERMINALS			1-2-5 6-7-10	1-3-5 6-8-10	1-4-5 6-9-10
SCHEMATIC 					
DP3T					

CONTACT RATING: 0.1A @ 30 VDC



Actuator shown in pos. 2(A)

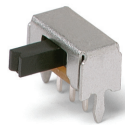


OS203011MV9QS1
DP3T

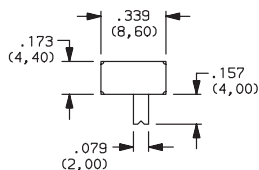


Dimensions are shown: Inches (mm)
Specifications and dimensions subject to change

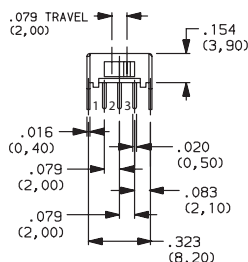
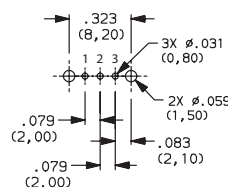
OS Series Miniature Slide Switches



OS102011MA1QN1
SPDT



PC MOUNTING

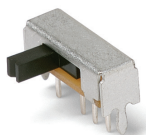


Actuator shown in pos. 2

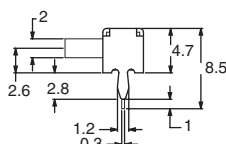
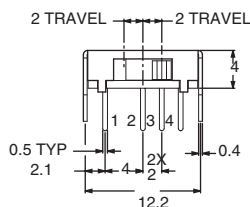
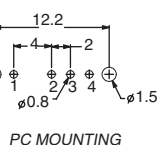
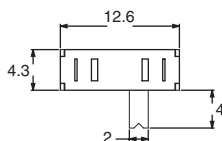
PART NUMBER	RoHS Compliant	RoHS Compatible	SWITCH FUNCTION	
			POS.1	POS.2
OS102011MA1QN1 (Non-shorting)	YES	NO	ON	ON
OS102011MA1QN1C* (Non-shorting)	YES	YES	ON	ON
OS102011MA1QS1 (Shorting)	YES	NO	ON	ON
OS102011MA1QS1C* (Shorting)	YES	YES	ON	ON
CONN. TERMINALS			1-2	2-3
SCHEMATIC				
SPDT				

CONTACT RATING: 0.1A @ 12 VDC

* "C" option at the end of part number designates high temperature actuators



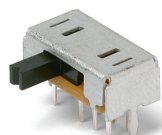
OS103011MA7QP1
SP3T



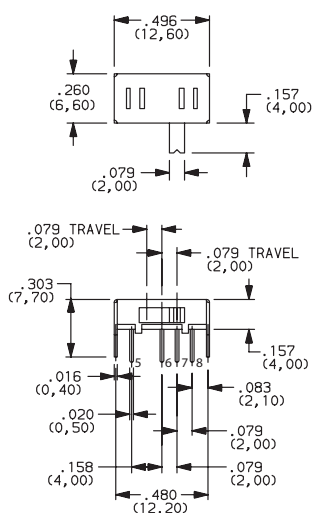
PART NUMBER	ROHS Compliant	ROHS Compatible	SWITCH FUNCTION		
			POS.1	POS.2	POS.3
OS103011MA7QP1 (Non-specified)	YES	NO	ON	ON	ON
OS103011MA7QP1C* (Non-specified)	YES	YES	ON	ON	ON
CONN. TERMINALS			1-2	2-3	2-4
SCHEMATIC					
SP3T					

CONTACT RATING: 0.1A @ 12 VDC

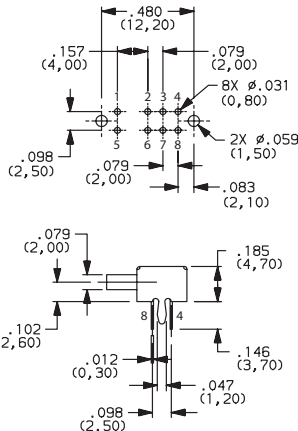
* "C" option at the end of part number designates high temperature actuators



OS203011MA2QP1
DP3T



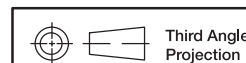
PC MOUNTING



Actuator shown in pos. 3

PART NUMBER	RoHS Compliant	RoHS Compatible	SWITCH FUNCTION		
			POS.1	POS.2	POS.3
OS203011MA2QP1 (Non-specified)	YES	NO	ON	ON	ON
CONN. TERMINALS			1-2, 5-6	2-3, 6-7	2-4, 6-8
SCHEMATIC					
DP3T					

CONTACT RATING: 0.1A @ 12 VDC

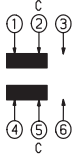


Dimensions are shown: Inch (mm)

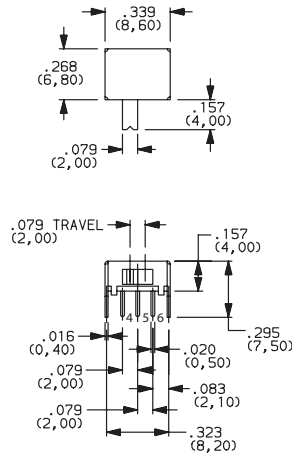
Specifications and dimensions subject to change

www.ckswitches.com

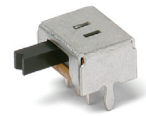
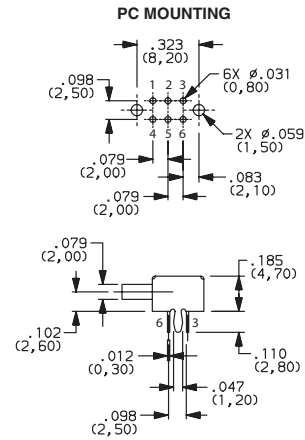
OS Series Miniature Slide Switches

PART NUMBER	RoHS Compliant	RoHS Compatible	SWITCH FUNCTION	
			POS.1	POS.2
OS202011MA0QN1 (Non-shorting)	YES	NO	ON	ON
OS202011MA0QS1 (Shorting)	YES	NO	ON	ON
CONN. TERMINALS			1-2, 4-5	2-3, 5-6
SCHEMATIC				
				
DPDT				

CONTACT RATING: 0.1A @ 12 VDC



Actuator shown in pos. 1



OS202011MA0QN1
DPDT



Slide

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

C&K Switches:

<u>OS203013MT7QN1</u>	<u>OS102011MA1QN1C</u>	<u>OS102011MS2QN1C</u>	<u>OS103011MA7QP1C</u>	<u>OS103011MS8QP1</u>
<u>OS202011MA0QN1</u>	<u>OS202011MS2QS1</u>	<u>OS102011MA1QN1</u>	<u>OS102011MS2QN1</u>	<u>OS103012MU1QP1</u>
<u>OS203011MV9QN1</u>	<u>OS203012MU5QP1</u>	<u>OS203013MT8QN1</u>	<u>OS203013MT6QN1</u>	<u>OS103011MA7QP1</u>
<u>OS203011MS1QP1</u>	<u>OS103012MU2QP1</u>	<u>OS202011MS2QN1</u>	<u>OS202011MV4QN1</u>	<u>OS202013MT5QN1</u>
<u>OS202013MT8QN1</u>	<u>OS203011MA2QP1</u>	<u>OS202011MA0QS1</u>	<u>OS102011MS2QS1</u>	<u>OS203011MV9QS1</u>