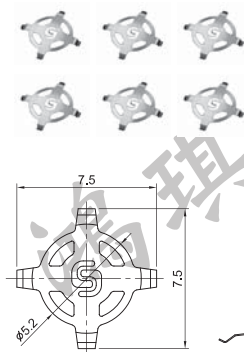


# SMD TACTILE SWITCHES

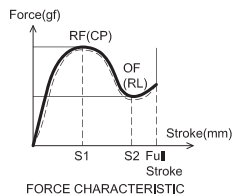
## METAL DOME SWITCH

**STS-133** H=0.6mm



- Stroke: 0.5mm
- Force: 50±20gf
- Life: 10,000,000 Cycles
- Package: 30,000 Pcs/Reel

OF: Operating Force(gf)  
CP: Compression Peak Point  
RF: Return Force(gf)  
RL: Release Low Point  
S2: Stroke(mm) In Contact Point



## WITH GROUND

**STS-167** H=2.0mm

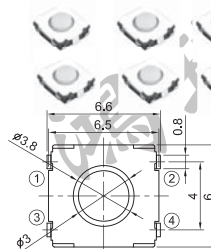
**STS-168** H=2.5mm

**STS-169** H=3.1mm

**STS-173** H=2.0mm

**STS-174** H=2.5mm

**STS-175** H=3.1mm

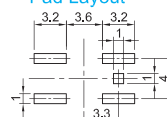


- Rating: DC15V 20mA
- Stroke: 0.25mm
- Force: STS-167~169: 260±60gf  
STS-173~175: 350±100gf
- Life: STS-167~169: 200,000 Cycles  
STS-173~175: 100,000 Cycles
- Package: 2,000 Pcs/Reel  
Except: STS-167: 4,000 Pcs/Reel  
STS-173: 4,000 Pcs/Reel

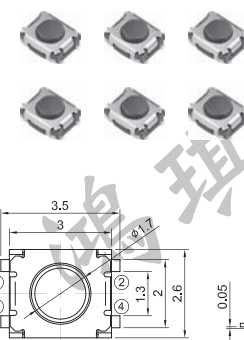
### Circuit



### Pad Layout



**STS-211-A** H=1.4mm  
**STS-211-D**

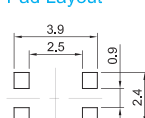


- Rating: DC12V 50mA
- Stroke: 0.15mm
- Force: STS-211-A: 160±50gf  
STS-211-D: 450±80gf
- Life: STS-211-A: 500,000 Cycles  
STS-211-D: 200,000 Cycles
- Package: 9,500 Pcs/Reel

### Circuit

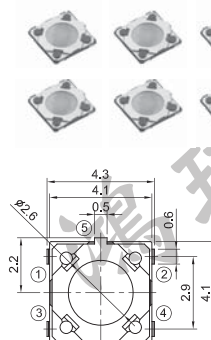


### Pad Layout



## WITH GROUND

**STS-212** H=0.43mm

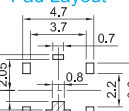


- Rating: DC2V 10μA~DC 15V 20mA
- Stroke: 0.2mm (STS-212: 0.15mm)
- Force: STS-212 : 100±50gf  
STS-212-A: 160±50gf  
STS-212-B: 240±60gf
- Life: STS-212 : 1,000,000 Cycles  
STS-212-A: 1,000,000 Cycles  
STS-212-B: 500,000 Cycles
- Package: 10,000 Pcs/Reel

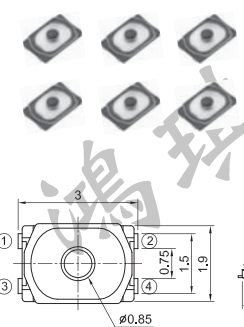
### Circuit



### Pad Layout



**STS-213-A** H=0.53mm  
**STS-213-B** H=0.57mm  
**STS-213-C** H=0.6mm

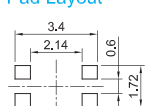


- Rating: DC2V 10μA~DC15V 20mA
- Stroke: 0.15mm
- Force: STS-213-A: 160±50gf  
STS-213-B: 225±60gf  
STS-213-C: 300±80gf
- Life: 300,000 Cycles
- Package:  
STS-213-A: 16,000 Pcs/Reel  
STS-213-B: 16,000 Pcs/Reel  
STS-213-C: 20,000 Pcs/Reel

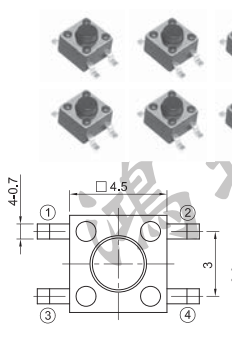
### Circuit



### Pad Layout

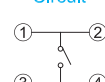


**STS-214** H=3.8mm  
**STS-214-B1** H=5.0mm  
**STS-214-D1** H=7.0mm

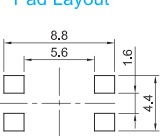


- Rating: DC12V 50mA
- Stroke: 0.2mm
- Force: 160±50gf
- Life: 500,000 Cycles
- Package: STS-214: 2,000 Pcs/Reel  
STS-214-B1: 1,500 Pcs/Reel  
STS-214-D1: 1,000 Pcs/Reel

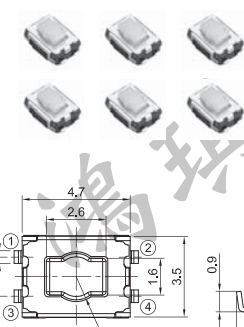
### Circuit



### Pad Layout



**STS-215-A** H=2.5mm  
**STS-215-B**  
**STS-215-E**

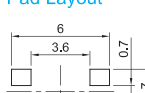


- Rating: DC12V 50mA
- Stroke: 0.25mm
- Force: STS-215-A: 180±50gf  
STS-215-B: 260±50gf  
STS-215-E: 500±100gf
- Life: STS-215-A: 100,000 Cycles  
STS-215-B: 100,000 Cycles  
STS-215-E: 200,000 Cycles
- Package: 3,000 Pcs/Reel

### Circuit

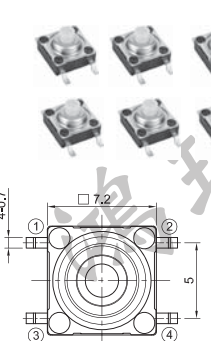


### Pad Layout



## WATER PROOF : IP67

**STS-230** H=5.1mm



- Rating: DC12V 50mA
- Stroke: 0.25mm
- Force: 260±50gf
- Life: 100,000 Cycles
- Package: 1,000 Pcs/Reel

### Circuit



### Pad Layout

