

# EL2 Series

6.2 x 6.2mm Basic Tactile Switch for SMT



## Specifications

<b>Function</b>	Momentary action
<b>Contact Arrangement</b>	1 make contact = SPST, N.O.
<b>Terminals</b>	J bend for SMT
<b>Contact Material</b>	Silver plated

## Electrical Characteristics

<b>Maximum Power</b>	0.9 VA
<b>Min. / Max. Voltage</b>	1V / 18V
<b>Min. / Max. Current</b>	0.01 / 150 mA
<b>Dielectric Strength</b>	250 Vrms
<b>Contact Resistance</b>	$\leq 100 \text{ m}\Omega$
<b>Insulation Resistance</b>	(100 V): $\geq 100\text{M}\Omega$
<b>Bounce Time</b>	$\leq 5 \text{ ms}$

## Environmental Characteristics

<b>Operating Temperature</b>	-40°C to 85°C
<b>Storage Temperature</b>	-55°C to 85°C

### Notes:

Specifications listed above are for switches with standard options. EL series is not subject to adaptation and/or modification for specific use. If additional features are required, please refer to the KSC series. Price available on request only, please contact your sales representative.

## Description

EL2 is the entry level series of mid-size sealed tactile switch. With 6.2 x 6.2 mm compact size and standard heights at 3.5 & 5.2 mm, EL2 Series offers the most common actuation forces with 2N & 3.5N versions. EL2 Series features basic characteristics with operating life at 200K cycles. The switches' ruggedness and IP67 rating are mainly recommended for basic applications in industrial, consumer and medical markets when the best price/ performance compromise is sought.

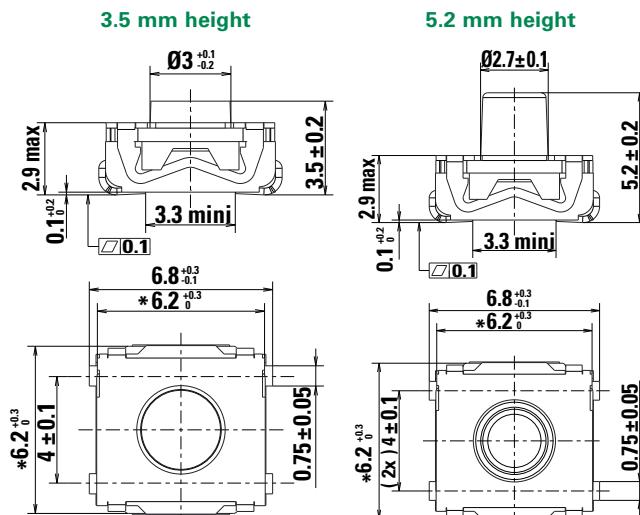
## Features & Benefits

- Cost efficient
- Market standard size
- SMT - Tape & reel
- IP67 sealed
- Silicone actuator

## Applications

- Smart meters
- Industrial electronics
- Home appliances
- Medical portable devices
- Consumer electronics

## Dimensions (mm)



# EL2 Series

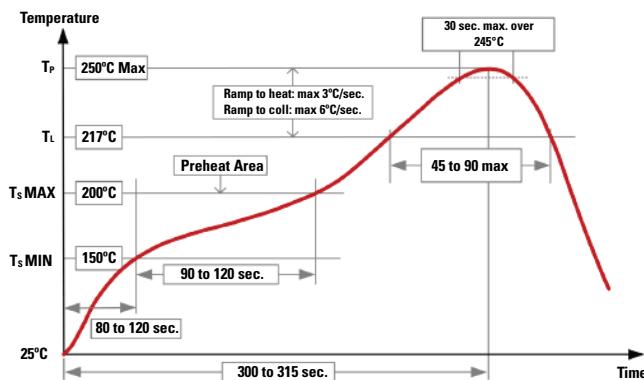
6.2 x 6.2mm Basic Tactile Switch for SMT



## Mechanical Characteristics

Part #	Force (N)	Operating Life (operations)	Travel (mm)
EL2 35 20J LFS	2±0.6	200,000	0.3±0.2
EL2 35 35J LFS	3.5 ±1.0	200,000	0.4±0.2
EL2 52 20J LFS	2±0.6	200,000	0.4±0.25
EL2 52 35J LFS	3.5 ±1.0	200,000	0.6±0.25

## EL2 Reflow Soldering Profile



$T_p$	Peak package body Temperature
$T_l$	Liquidous Temperature
$T_g$	Preheat/Soak Temperature

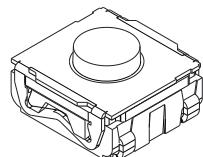
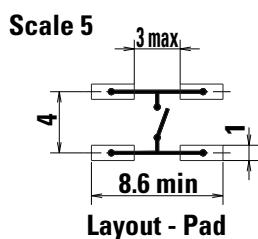
## Process

### Soldering

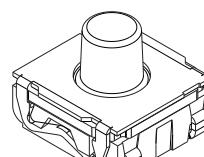
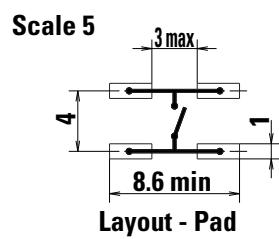
This component is suited to the following methods:  
Cleaning according to typical washing processes  
Lead free reflow soldering process in accordance with IEC61760-1

## Pad Layout Dimensions (mm)

### 3.5 mm height



### 5.2 mm height



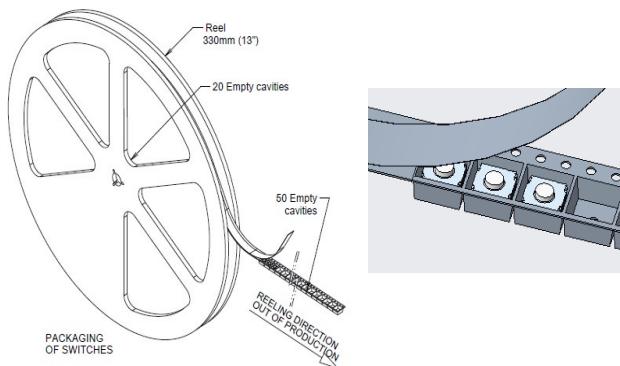
# EL2 Series

6.2 x 6.2mm Basic Tactile Switch for SMT

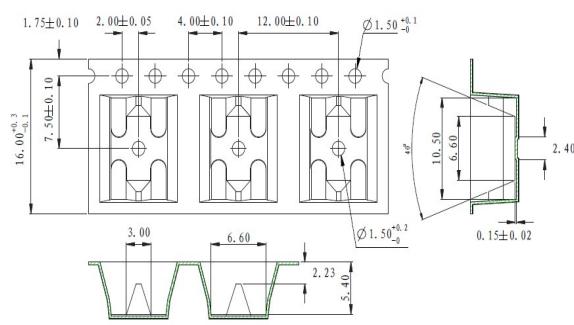
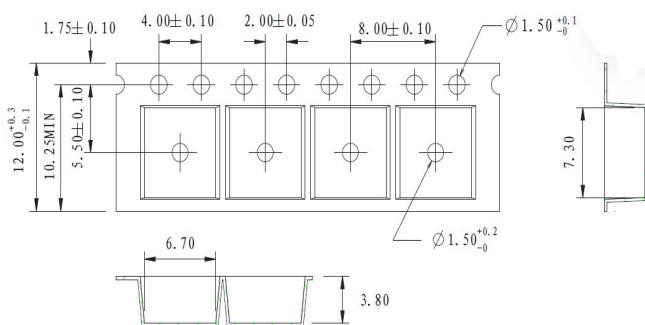
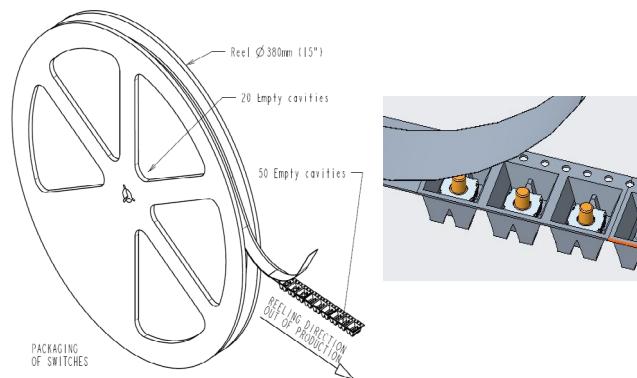


## Packaging Dimensions (mm)

EL2 35 20J LFS & EL2 35 35J LFS



EL2 20J LFS & EL2 35J LFS



## Packaging Details

Series	EL2 35	EL2 52
Type	Tape & Reel	Tape & Reel
Number of parts in packaging	2000	1400
Other Information	Tape & Reel per EIA 481	Tape & Reel per EIA 481
Transport Conditions	According to specification NF H00-060	According to specification NF H00-060

## Ordering Number

Our easy build-a-switch concept allows you to mix and match options to create the switch you need. To order, select desired option from each category. For any part number different from those listed below, please consult your local representative.

**EL2 - XX - xxJ - LFS**

**Height**

**35:** 3.5mm  
**52:** 5.2mm

**Operating Force**

**20:** 2N  
**35:** 3.5N

**LFS:** RoHS compliant and compatible, Silver plated

**Termination**  
**J:** J bend

## Liability Limitation

This datasheet does not provide enough information for applications that require a certain level of quality or safety such as automotive, medical systems, or safety equipment. Please contact customer service for the contractual specification package.

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