

EL2 Series

6.2 x 6.2mm Basic Tactile Switch for SMT



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

Specifications

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

Electrical Characteristics

Maximum Power	0.9 VA
Min. / Max. Voltage	1V / 18V
Min. / Max. Current	0.01 / 150 mA
Dielectric Strength	250 Vrms
Contact Resistance	≤ 100 mΩ
Insulation Resistance	(100 V): ≥ 100MΩ
Bounce Time	≤ 5 ms

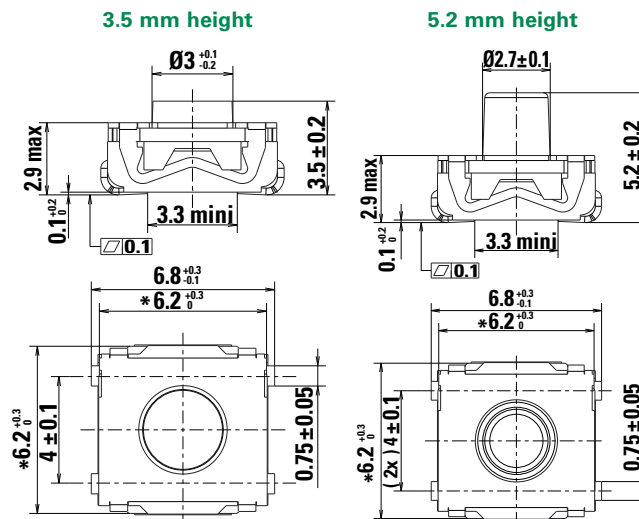
Environmental Characteristics

Operating Temperature	-40°C to 85°C
Storage Temperature	-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.

Dimensions (mm)



EL2 Series

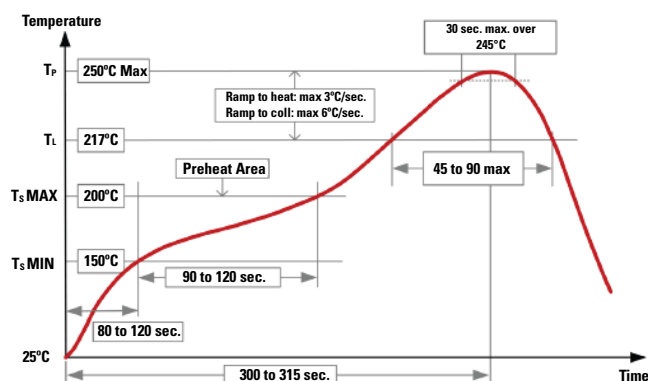
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Mechanical Characteristics

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

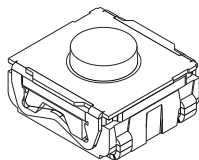
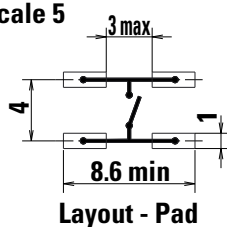
Process

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
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Pad Layout Dimensions (mm)

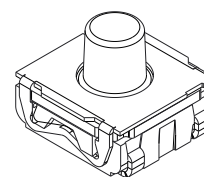
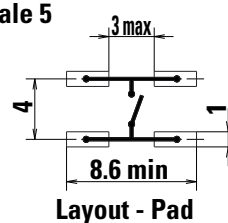
3.5 mm height

Scale 5



5.2 mm height

Scale 5



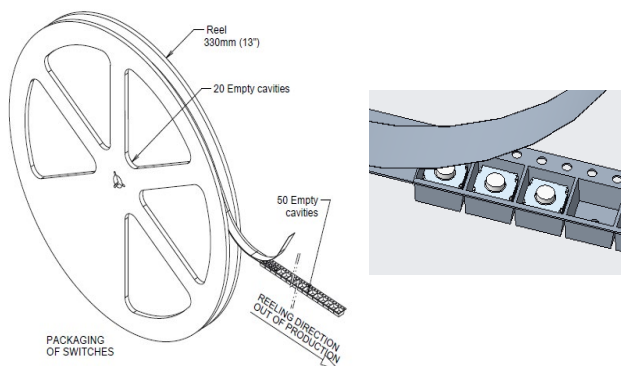
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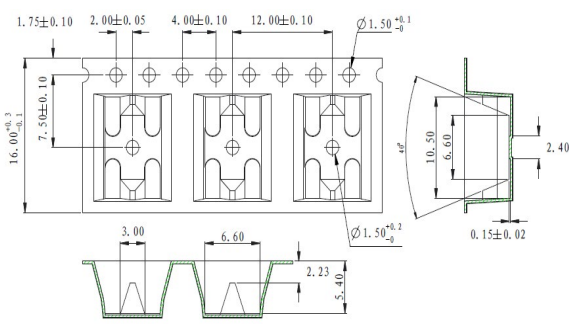
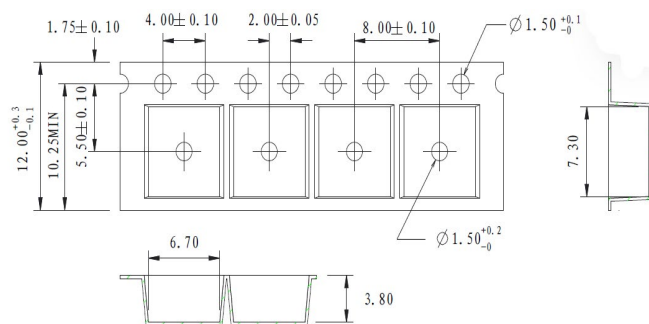
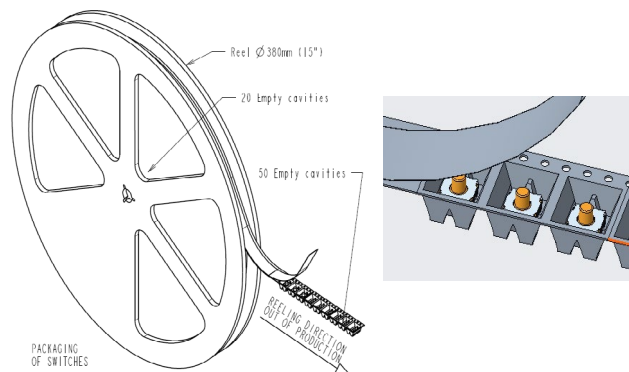


Packaging Dimensions (mm)

EL2 35 20J LFS & EL2 35 35J LFS



EL52 20J LFS & EL52 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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