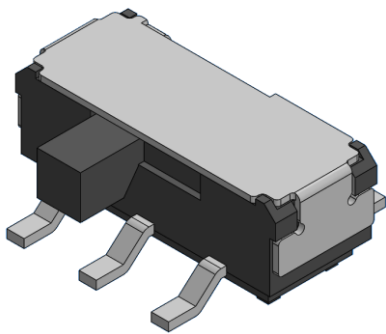


PRODUCT SPECIFICATION

Part Number	SWS020			Rev	A		Date	13/01/26
Product Description	Slide Switch, Right Angle, 2.0mm Travel, SMT, DPDT, H=3.5mm						Page	1
Doc Number	SWS020	Prepared	CC	Checked	YR	Approved	PH	



Features:

- Profile Height: 3.5mm
- Actuator Length: 2.0mm
- Product Orientation: Right Angle
- Lead Type: SMT

Specification:

Material

- Housing: High Temp. Nylon, Black, UL94 V-0
- Actuator: High Temp. Nylon, Black, UL94 V-0
- Terminal: Brass
- Spring Wire: Phosphor Bronze
- Shell: Stainless Steel

Plating

- Terminal: Silver
- Spring Wire: Clear
- Shell: Clear

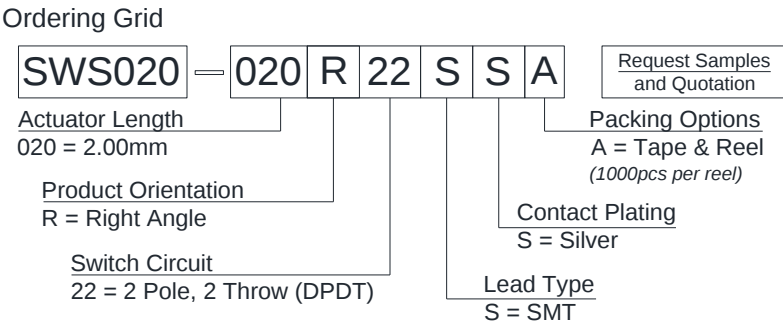
Electrical

- Voltage Rating: 12V DC
- Current Rating: 0.3A Max.
- Contact Resistance: 100mΩ Max.
- Dielectric Withstanding Voltage: 250V AC
- Insulation Resistance: 100MΩ Min.

Mechanical & Environmental

- Operating Temperature: -25°C to +85°C
- Operating Force: 250±80gf
- Travel: 2.00±0.10mm
- Durability: 10,000 cycles
- Solder Tails Co-planarity: 0.10mm Max.

Ordering Grid:



PRODUCT SPECIFICATION

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Reflow Soldering Profile:

Pb-free reflow profile requirements

Parameter	Reference	Specification
Average temperature gradient in preheating		2.5°C/s
Soak time	t _{soak}	2-3 minutes
Time above 217°C	t ₁	60 s
Time above 230°C	t ₂	50 s
Time above 250°C	t ₃	3 s
Peak temperature in reflow	T _{peak}	255°C (−0/+5°C)
Temperature gradient in cooling		Max -5°C/s

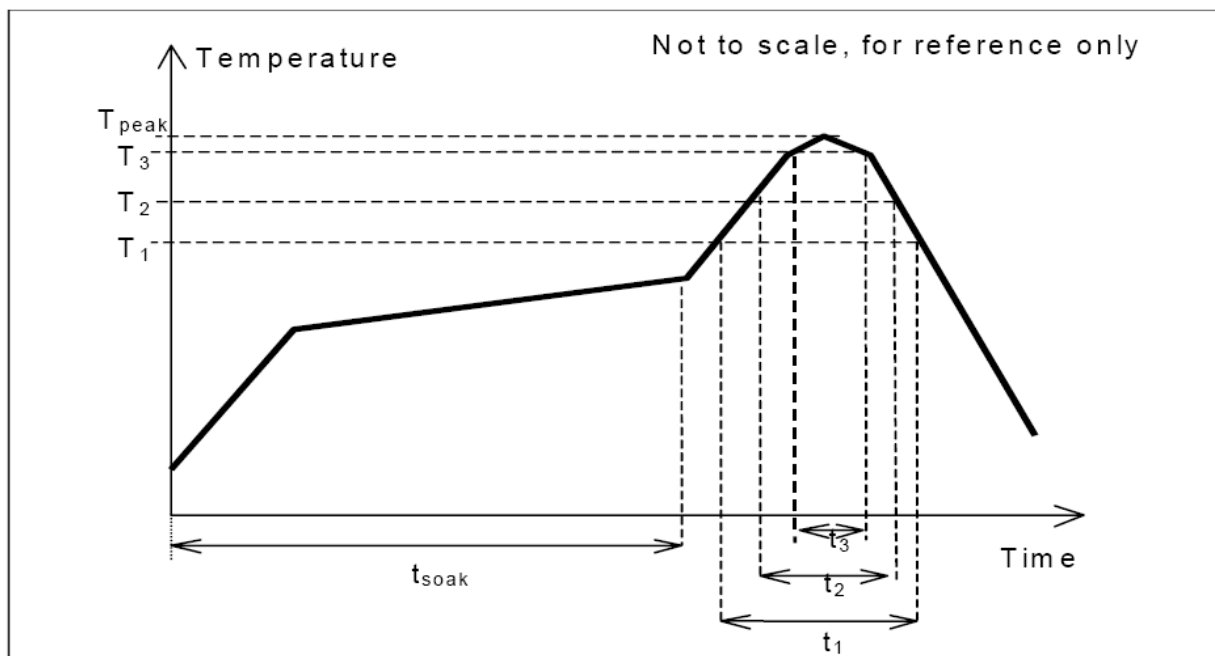


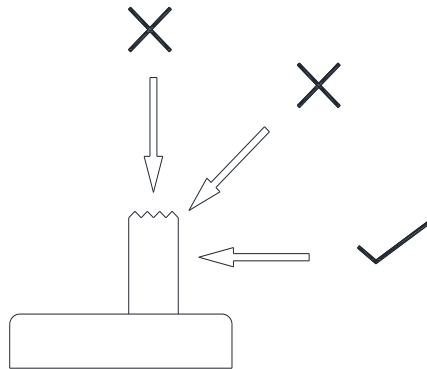
Fig. 1.0, this profile is the minimum requirement for evaluating soldering heat resistance of components. Heat transfer method used for reflow soldering is hot air convection. The actual air temperatures used to achieve the specified profile is higher and largely dependent on the reflow equipment.

PRODUCT SPECIFICATION

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Precautions for Operating:

1. Apply operating force within the range of rated value.
2. Do not apply excessive operating force to the switch.
3. Apply operating load from the side of the actuator.
4. Do not apply a load from an angle or from above the actuator.
5. Ensure the actuator is set fully to either ON or OFF position when soldering.



Recommended Operating Conditions

Precautions for Handling and Storage:

1. Products are vacuum sealed in plastic bag with desiccant.
2. Recommended storage conditions: -20 to +50°C, 20% to 85% humidity.
3. Avoid exposure to corrosive gases or direct sunlight.
4. After the packaging is opened, use the products as quickly as possible.
5. Products that have not been used up must be vacuum sealed in plastic bag with desiccant.

PRODUCT SPECIFICATION

Part Number	SWS020			Rev	A		Date	13/01/26
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Revision details:

Revision	Information	Page	Release Date
0.1	First draft	-	24/09/2025
A	First Release	-	13/01/2026

