



SMD Hot TWEEZER Iron

ASE-1209

User's Manual



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To use the Soldering Tweezers connect it to ASE-1107 soldering station

PART1: Precaution

In this instruction manual, “warning” and “caution” are defined as follows.



WARNING

WARNING: Misuse may potentially cause death of, or serious injury to, the user.

CAUTION: Misuse may potentially cause injury to the user or physical damage to the objects involved.

For your own safety, be sure to comply with these precautions.



CAUTION

- When the power is on, the tip is between 200°C/ 392°F and 400°C/752°F. Since mishandling may lead to burns or fire, be sure to comply with the following precautions.
 - Do not touch the metallic parts near the tip.
 - Do not use the product near flammable items.
 - Advise other people in the work area that the unit can reach a very high temperature and should be considered potentially dangerous.
 - Turn off the power while taking breaks and when finished using the unit.
 - Before replacing parts or storing the unit, turn off the power and allow the unit to cool the room temperature.
 - To prevent damage to the unit and ensure a safe working environment, be sure to comply with the following precautions.
 - Do not use the unit for applications other than those specially described in the instruction manual.
 - Before using the HOT TWEEZER IRON for the first time, calibrate the tip temperature.
 - Do not rap the HOT TWEEZER IRON against the working bench to shake off residual soldering, or otherwise subject the iron to severe shocks.

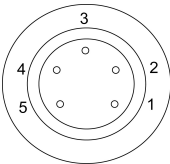
- Do not modify the unit.
 - Use only genuine replacement parts.
 - Do not wet the unit or use the unit when your hands are wet.
 - The operating process will produce smoke. Make sure the area is well ventilated.
- Pull on the plug to disconnect the HOT TWEEZER IRON from the station outlet. Do not pull the cord.
 - While using the unit, don't do anything which may cause bodily or physical damage.

PART 2: Summarization

Specifications

Power	24V AC
Power Consumption	(25W*2)
Heating Element	Ceramic Heater
Tip to grounded resistance	under 2Ω
Tip to grounded Potential	under 2mV
Max temperature	400°C

Connections



Between pins 4 & 5 (Heating)	1.5-3.5 Ω (Normal)
Between pins 1 & 2 (Sensor)	43-58 Ω (Normal)
Between pin 3 & Tip	Under 2Ω

PART3: Operating Instruction

Set the temperature

Never set the temperature to any value over 400°C (752°F). Doing so may damage the station.

Set the temperature according to the type of the work to be done.

Apply solder or flux

- If there is insufficient solder on the PCB, or the soldered area is too small, apply solder or flux to the PCB. Solder may also be applied to the tip.
- Melt the solder.

- Place the tip on the soldered part and melt the solder, confirm that the solder is fully melt.
- Remove the component
- After confirming that the solder is fully melted, lightly squeeze the TWEEZER to grasp the component and lift to remove the component.


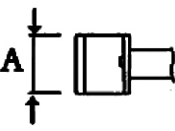
CAUTION: Do not use Hand Tools to squeeze tips closer together. Plastic parts of the tweezers may be damaged.

CAUTION: The high temperature of the tip may damage the PCB and put off the circuit diagram. Set the temperature at 300°C and the tip temperature can be improved slowly with the work condition. When operating use the temperature as low as possible to prevent the sensitive component from damage and stop the tip character from decreasing.

PART 4: Replacing the tip

CAUTION: Be sure to turn off the power switch before replacing the tip. Loose the nipple by turning it counterclockwise. It is not necessary to pull it out completely.

1. Insert the new tip as far as it will go, and adjust it so that it is parallel to the other tip.
2. Tighten nipple to fix the tip in place.
3. The tip temperature may vary according to the shape of the tip, you'd better calibrate it with soldering tester.

Number	Model	Part name	Dimension	Shape
26012	A1379	Tip / CHIP 1L	1mm	
26013	A1378	Tip / CHIP 2L	2mm	
26020	A1380	Tip / SOP 8L	8mm	
26019	A1381	Tip / SOP 10L	10mm	
26021	A1382	Tip / SOP 13L	13mm	
26023	A1383	Tip / SOP 18L	18mm	
26024	A1384	Tip / SOP 25L	20mm	
	B2300	Heat Resistance Pad	25mm	

Learn more:



Tweezer tips



ASE-1107 soldering station



Soldering temperatures guide



Video tutorial