

NEWS Technical Information

DEN-ON INSTRUMENTS CO., LTD

DIC SOLDERING SYSTEM

SS-8300 - SS-8400

Adopting "Super Tip"



Miniature Type
Soldering System
SS-8300



K-4

ESD
SAFE



High Efficiency
Soldering System
SS-8400



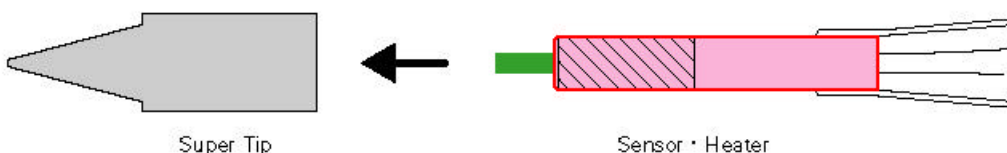
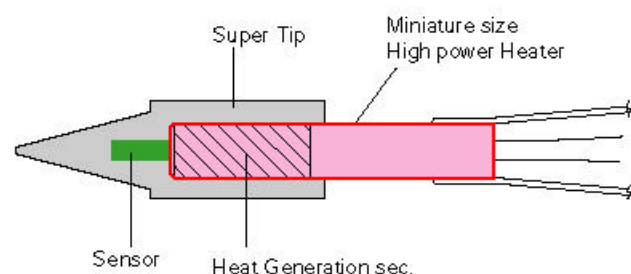
K-3

■ Super Tip is of a special alloy with heat treatment and has the features shown in the following table. (PAT.PEND.)

	Super Tip (Special Alloy with Iron Plating)	Conventional Tip (Copper with Iron Plating)	
Effect of Heat (Swelling/Acid corrosion/Intrusion)	○	×	
Heat Transmission	○ Thanks to effect of Miniature Size Heater & Sensor	○	
Life	○ 2 to 4 times longer Conventional Tip than	×	Value is compared with Cartridge (Heater inside) type tip
Cost	○ Half the Conventional Tip	×	

○ Good X No good

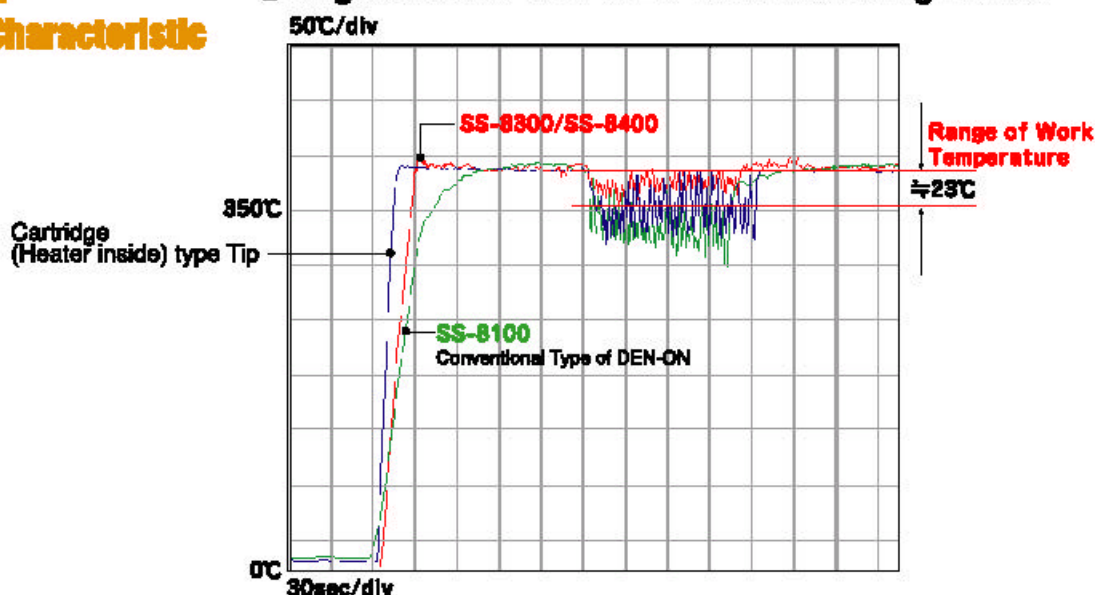
■ "Super Tip" and New developed Heater



- The temperature characteristic is quite good because the heater and the sensor are inserted into the tip - the highest level in the world.
- The tip is separated from the heater. So the tip can be replaced independently therefore lowering running cost - less than half.
- The life span of "Super Tip" is 2-4 times longer than Conventional tip made of copper with iron plating.

■ Comparison of Temperature Characteristic

● Target of Work 64 Pin DIP IC 32 Soldering Points



■ Life Test

Temperature at 390°C 0.8Ø Lead Free Automatic Soldering Test

● "Super Tip" 85-05-001

Special alloy
Iron plating

Tip after 30,000 Shots



Unused Tip



● Conventional Tip

Copper
Iron plating

Tip after 20,000 Shots



Unused Tip



Latest Information

From the report of the test done in one of the major factories for approx.3 months, it proves that the Super Tip has the life span of 155,400 shots that is 3 - 4 times longer than the Conventional Tip with the life span of 45,700 - 50,000 shots

■ Main Body (Controller)

1. Miniature type enables to use easily.
2. Versatile functions are available.

1. Set Up of Tip Temperature (°C)
2. Set Up of Limit of max. Temperature (°C)
3. Set Up of Shut Off Time (min.)
4. Set Up of Stand By Time (min.)
5. Set Up of Stand By Temperature (°C)
6. Set Up of Off Set Value
7. Set Up of Limit to Tip Temperature Change

3. CE certified

● Please contact DIC or the local agent for your enquiries.



MANUFACTURE

DEN-ON INSTRUMENT CO., LTD.

EXPORTER

DIC TRADING CO., LTD.

1-26-10, SEKIMACHI, NERIMA-KU, TOKYO 170-0052, JAPAN
TEL. [81]3-3929-6800 FAX. [81]3-3929-7441
E-mail : rework@denondic.co.jp <http://www.denondic.co.jp>