

HEAD OFFICE



1 Genting Link

#02-04, Perfect One

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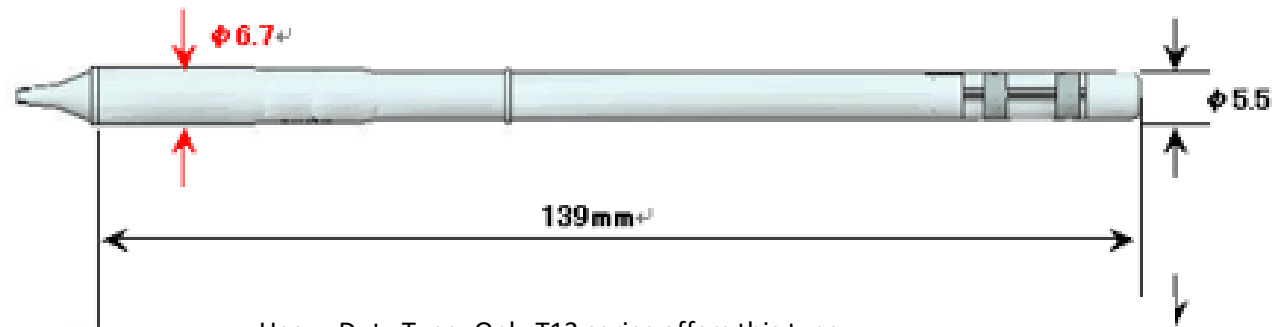
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Heavy duty type

Heavy Duty Type (Type W) thickens its entire body to increase heat storage and is the best for work needing high heat capacity.

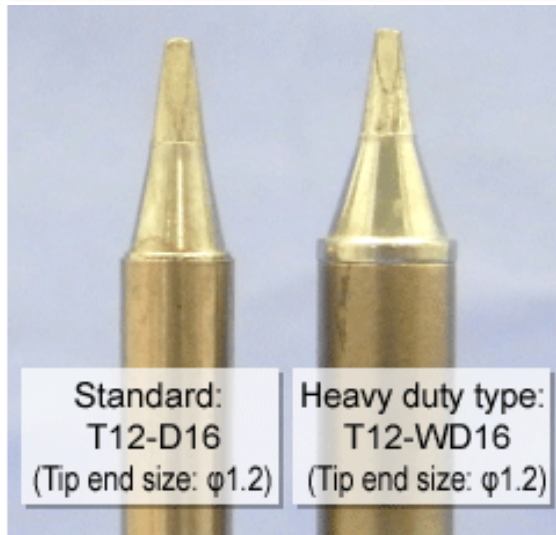


Heavy Duty Type: Only T12 series offers this type.



Standard

Drag Soldering



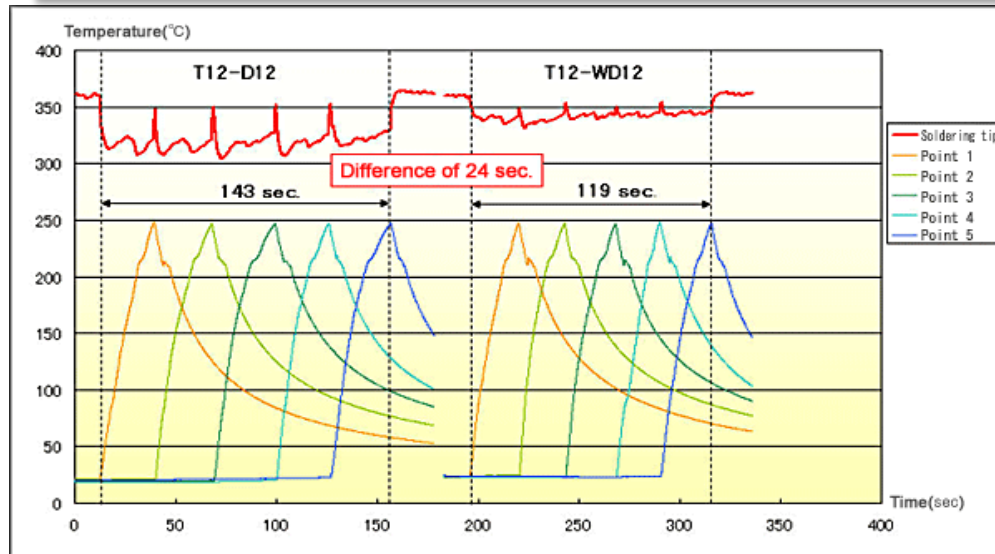
Save soldering time. (Refer to Graph 1)

A few seconds per 1 point can be cut down. But guess how much time will be saved per 1 day or one month? The efficiency-enhancing effect can be taken.

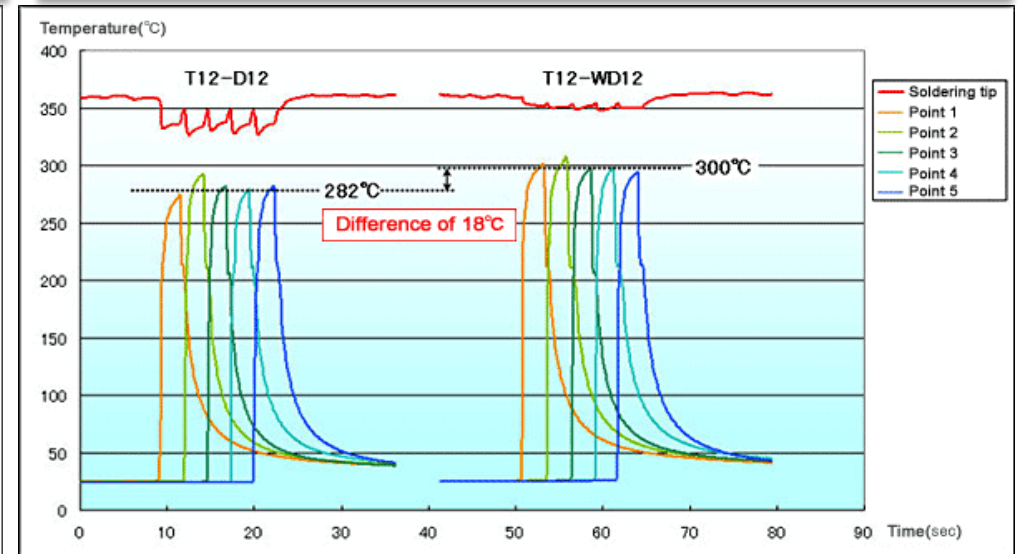
Enable the work-piece temperature to increase. (Refer to Graph 2)

If soldering multi-layer board, solder can not be melted due to the insufficient heat. In that case we recommend Heavy Duty Type, which has the larger heat capacity than Standard type, but the same size as Standard. It offers the enough heat capacity that solder can be wet.

Graph 1



Graph 2



Measurement Conditions for Graph 1: Soldering time depends on the heat capacity

Measurement method	Solder at 5 points and measure the time until the temperature of the workpiece reaches 250°C
Board	Paper phenol copper
Component	Terminal (External diameter $\Phi 8.5$ / Internal diameter $\Phi 4$)
Tip Shape	T12-D12 (Standard) and T12-WD12 (Heavy Duty Type)
Temperature Setting	360°C
Solder	Lead-free solder (Sn-3Ag-0.5Cu) $\Phi 0.5$

Measurement Conditions for Graph 2: Temperature difference of work-piece caused by heat capacity

Measurement method	Measure the temperature of the workpiece when 5-point soldering is performed once every 3 seconds
Board	Glass epoxy board
Component	Connector
Tip Shape	T12-D12 (Standard) and T12-WD12 (Heavy Duty Type)
Temperature Setting	360°C
Solder	Lead-free solder (Sn-3Ag-0.5Cu) $\Phi 0.8$

* Check the comparison graph of these types and Type L, which has larger heat capacity than Heavy Duty Type.

For further information of Type L, see ['Select a tip with as large a heat storage capacity as possible'](#)