

3 Optimized Process Temperatures for on-line production use can be pre-programmed

Ultra-fast, 120 Watt Soldering Station for soldering at lower temperature of sensitive Aerospace Ceramic Substrates Circuits, Monocrystalline PV Solar Panels and fine pitch Leadfree type SMD soldering

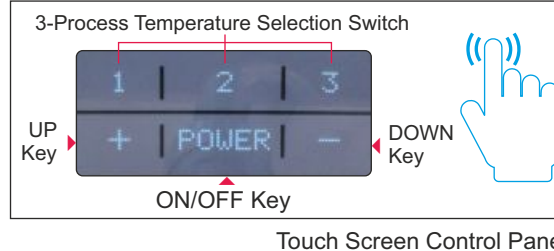
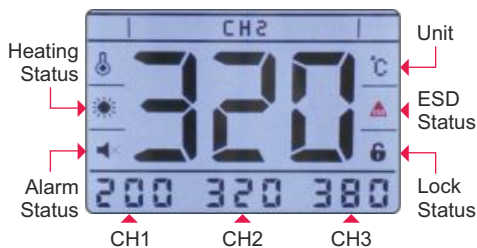
new
with VERY high life of Soldering Tips

Salient Features

- Power/Control unit has in-built following features:
 - Touch Button Control Panel
 - Password Protection
 - In-built Temperature Calibration
 - Sleep Time Mode for longer life
 - Error Message indication
 - 1-Touch Temperature Recalling
- Reliable Heating Element lowers production running cost
- new VERY longer life Soldering Tips lowers production cost
- Normally IMMEDIATE delivery of Spare Parts to keep investment productive



Unique Plug-in design of Heating Element and Soldering Tip for easy replacement



Multiple soldering applications with SINGLE 120 Watt Ultra-Fast Soldering Station Model DSSLF120ESD-UF



Aerospace high reliability soldering on Ceramic substrates Monocrystalline PV Solar Panel soldering Hi-end Leadfree Soldering

Model DSSLF120ESD-UF Soldering Station is the best value-for-money in place of investing in 3~4 Soldering Stations as this one single Soldering Station is adequate to achieve similar production rate because of its very fast thermal recovery and higher heating power. Combination of these two, allows soldering at lower temperature to avoid any thermal damage of expensive SMD ICs as well as provides higher reliability of solder joints as is normally required in aerospace application.

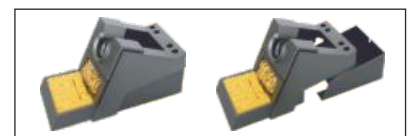
Other features are: in-built Temperature Off-Set for Digital Calibration to meet ISO 9000 requirements; in-built function of Auto-Sleep and Auto Shut-Off (gets activated automatically) ensures longer life of Heating Element and Soldering Tips. Supervisor can lock all 3 optimized process temperatures to ensure operators cannot change the same. Wide range of Soldering Tips in different shapes and width, as required for different soldering applications, are readily available.

Scope of Supply

- DSSLF120ESD-UF Power & Control Unit
- Soldering Pencil fitted with Soldering Tip
- Support Rack with Dry Cleaner & Cleaning Sponge



Provision for Soldering Tips



Detachable Stand for easy cleaning of spread out solder

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While the information contained herein in, has been carefully compiled to the best of our knowledge, nothing is intended as representation and warranty on our part; and no statement shall be construed as recommendation to infringe any of existing patents. We accept no liability of whatsoever for any faults and errors in the information contained herein. Contents of this catalogue and specifications of the products, are subject to change without notice due to continuous improvements.

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Specifications

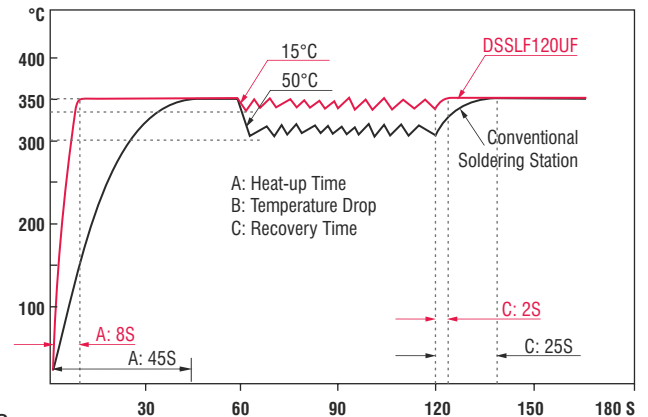
- Power : 120 Watt, 220V/50Hz
- Temperature Range : 200°C ~ 420°C
- Temperature Stability : ±2% of final value
- Tip to Ground Resistance : <math><2\Omega</math>
- Tip to Ground Potential : <math><2\text{mV}</math>
- Dimensions(LxWxH) : 137 x 165 x 114mm (approx.)



Ultra-Fast 120W Soldering Station Model DSSLF120ESD-UF is far superior than 80 & 90 Watt Soldering Stations?

Besides operator's comfort, higher production rate, more reliability in solder joints, it has following other features:

1. Lightweight Soldering Pencil for longer working hours
2. Plug-in type design of Heating Element cum Soldering Tip, no need to open any nuts and screws for changing, provides ease of maintenance during change-over.
3. Super fast thermal recovery as Soldering Tip is integrated with Temperature Sensor and Heater.
4. Though this Soldering Station uses integrated Soldering Tips yet their price is low and life is very high which keeps regular running production cost low.
5. Single Soldering Station suitable for fine SMD leadfree soldering and High Mass soldering
6. For Solar Panel Manufacturers: It minimizes micro-cracks in Solar Cells interconnection during soldering as soldering can be done at lower temperature because of its ultra-fast thermal recovery feature and higher heating power of 120 Watt
7. In-built Temperature Offset feature for calibration from panel itself to meet ISO 9000 requirements
8. Auto-Sleep and Auto Shut-Off features get activated after pre-set time.
9. Supervisory process temperature lock feature: operators cannot change it.



Wide range of Soldering Tips for various soldering applications are readily available

Description	Actual Photo	Dimensional Diagram	Width (mm)	Model
Chisel Tip for leadfree soldering			1.2	TSS02X-1.2D
Chisel Tip for leadfree soldering			2.4	TSS02X-2.4D
Chisel Tip for leadfree soldering			4.2	TSS02X-4.2D
Round Tip for fine soldering			Ø1.0	TSS02X-1B
Sloped Tip for Solar Panels			Ø3.0	TSS02X-3C
Sloped Tip for Solar Panels			Ø4.0	TSS02X-4C
Knife Tip for SMD soldering			-	TSS02X-SK

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