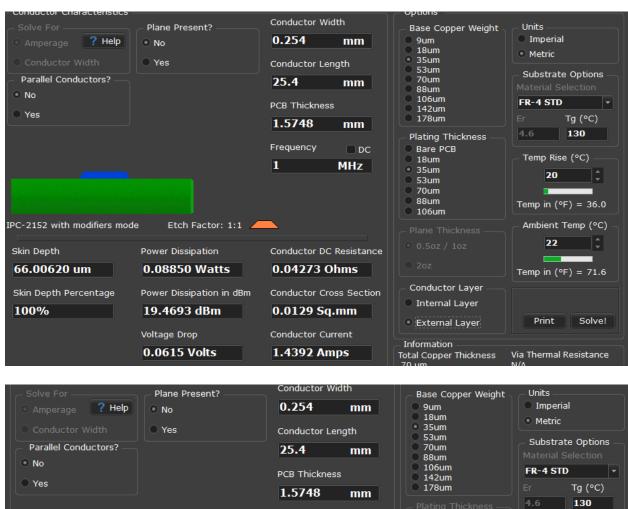
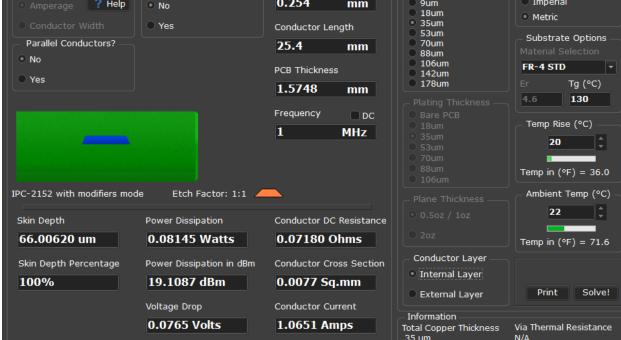
## F- PCB Trace Width Calculation:

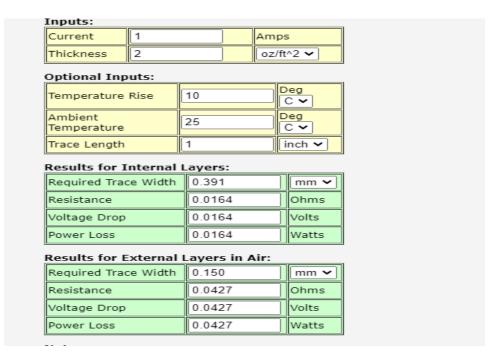
## **Saturn calculator:**





So as we can sea above one picture shows an outer layer which can pass higher current than internal layer which is affected by thermal issues.

## **Online calculator:**



## **Copper Weights**

Many designs require specific copper thicknesses to accommodate the current requirements of the design. Sunstone offers a variety of copper weights to allow you to meet your design requirements.

Copper Weight is defined as the weight (in ounces) of copper present in one square foot of area. This parameter indicates the overall thickness of copper on the layer.

Sunstone utilizes the following copper weights for PCB fabrication (pre-plate). Weights measured in oz/ft². The appropriate copper weight can be selected to fit the design requirement.

- 0.5 oz copper (~17.5µm thick or 0.7 mils) Available on internal layers if requested as part of a "non-standard" construction. This is also the standard starting copper weight for external layers for PCBs with the 1 oz finished copper weight selection.
- 1 oz copper (~35µm thick or 1.4 mils) Standard internal layer copper thickness for "standard construction product for 1 oz and 2 oz finished copper weight selections. This is also the standard starting copper weight on the external layers for PCBs with the 2 oz finished copper weight selection.
- 2 oz copper (70µm thick or 2.8 mils) Standard internal layer copper thickness for internal layers on 3 oz finished copper selection. This is the standard starting copper thickness on the external layers for PCBs with the 3 oz finished copper weight selection.
- Other Sunstone offers a variety of additional copper weights through a Custom Quote from 0.25 oz/ft<sup>2</sup> to 6 oz and everything in between.