**T-shape Supports(T型支撑条)**

* **multilayer S2 drawing number（S2探测器图纸号）：**
	+ **3,4,5,6,7, 21,22,23,24,25, 31,32,33,34,35, 41,42,43,44,45, 46,47,48,49,50, 55,56,57,58,59, 64,65,66,67,68, 71,72,73,74,75,: one copy in one multilayer (每套做一个)**
	+ **8 less for L1 and S1 （探测器L 1， S1少8张图纸）**
* **Precision defined as peak to peak difference. （误差为最大最小偏差）**
* **Unit: millimeter（单位：毫米）**

以图纸 3为例，并适用于其他39张类似图纸 （taking drawing 3 as example, and works for other 39 drawings）

|  |  |  |  |
| --- | --- | --- | --- |
| 板子厚度精度（包含铜皮） | Thickness of the whole board | 1.4 ±0.02 |  |
| 板子的宽度7毫米精度 | Width of the strip 7mm | +0.1-0.1 |  |
| 长条的总长度误差改为 | Length of the strip |  -0.2 -0.5  |  |
| L形台阶在板材厚度方向的尺寸精度 | all L shape groove depth | 0.9+ 0.1-0.0  | See plot below |
| 3毫米和7毫米结构中心对齐 | Alignment of the center of the 3mm and 7mm structure | ±0.1 | See plot below |
| 图纸中没有标明精度的一律按照 | If now specific marked on the drawing, precision take | ±0.1 |  |



0.9+0.1-0.0

下图放大图A中( in enlarged plot A, see plot below)

|  |  |  |
| --- | --- | --- |
| 6mm切削长度，注意6毫米的测量方向和长条长度方向不平行 | 6mm structure。 Be care of the measurement direction  | +0.2 -0.0 |
| 98.5度精度为±1度. 切削后剩余部分厚度 | The thickness of the reserved 3mm wide structure | 0.9+0.0-0.2 |



Thickness(厚度)：0.9+0.0-0.2

6+0.2-0.0

B放大图中 1.5毫米±0.5mm，和98.5度±1度。

In B， the structure of 1.5mm, precision ±0.5mm, 98.5±1



Materials requirement(材料要求) :

must be the tested S1142 FR4 boards from Guangdong Company. thickness 1.5-1.6mm, never less than 1.45mm.

 必须采用广东生益科技股份有限公司生产的S1141 FR4板, 从博敏购买的板材尺寸：厚度1.5-1.6毫米，不得低于1.45毫米

Number of cut strips from the first company for machining(半成品购买数量):

40\*40=1600