

Questions:

1) As to Strength of MTRAN against the machining process. Please let us know the breaking points like the below.

- Tensile Strength Mpa : 110Mpa
- Yield Strength Mpa : 100Mpa
- Elongation % : 18%
- Young's Modulus GPA : 70GPA

2) Please give the guide on the method of soldering.

A :

<Preliminary Process > Nickel or tin plating : This is to deposit a layer of metal(Nickel, Tin) on the MTRAN.

Solder paste : The suitable solder paste is only low temperature type(under 150°C).

Soldering machine : Reflow machine(SMT)

3) Please let us know the required are and the tolerances of pinched area, which is for preventing from leaking acetone.

A :

☞ The tolerances of pinched area toward the length direction : $1.2t \rightarrow 1.5\text{mm} \pm 0.5$, $1.6t \rightarrow 2.0\text{mm} \pm 0.5$

☞ Working fluid leakage prevention methods

1. That apply in 170°C low temperature.
2. Epoxy molding at the pinched tip.
3. Soldering(or brazing). After deposit a layer of metal(Nickel, Tin) on the MTRAN.

4) Please tell us the specific gravity of MTRAN.

A : $s=2.0$

5) Please let us have the guide for Z vending, not R vending, if you have it.

A : Impossible.



Possible type schematic ($R_{\min}=2\text{mm}$)

6) Please let us have the guide to machine the screw tapping.

A : The screw tap processing is impossible. But, the hole processing is available by drill machine.

7) Is it possible to enlarge the pinched area toward the length direction and the width direction for the screw tapping?

A : It is impossible that control pinched area.