

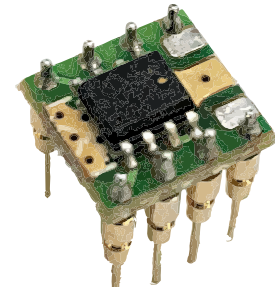
AS194-HYB , AS394-HYB matched monolithic NPN transistor pair module

Features:

- low JC thermo-resistance
- possibility of mounting thermosensor

Applications:

- thermostabilized or thermocompensated VCO
- measurement equipment



AS394-HYB (AS194-HYB) is a DIP-8 module which contains matched monolithic NPN transistor pair AS194/394DE (with an order of magnitude improvement in matching over conventional transistor pair) with improved heatsink possibility and place for mounting SMT thermosensor (2010 size).

Electrical parameters - according to datasheet of AS194DE/AS394DE (<http://www.alfarzp.lv/eng/sc/AS394CH.pdf>)

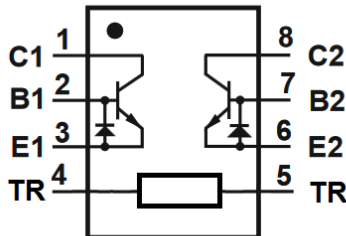
Heatsink is soldered to Exposed Pad (exposed pad isolated from substrate) of AS194DE/AS394DE providing low Junction-Ambient thermoresistance. Pins 4 and 5 of module are connected only to SMT thermosensor (2010 size).

Thermosensor can be placed over heatsink, allowing good thermocontact (dielectric) to heatsink with the help of heatconductive material. Thermosensor not mounted.

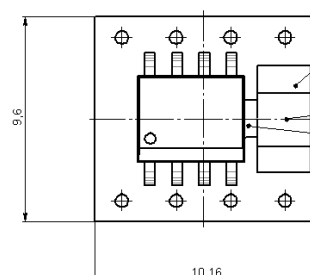
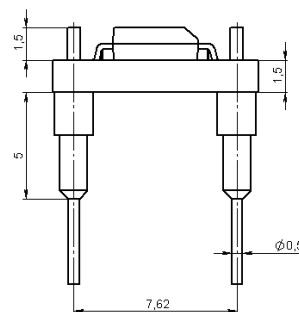
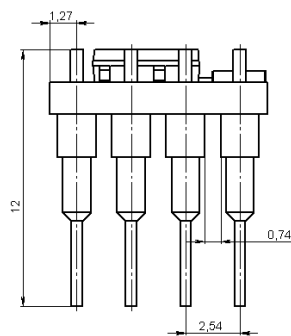
Possible variants:

- AS194-HYB - on the base of AS194DE
- AS394-HYB - on the base of AS394DE

AS194-HYB (AS394-HYB) Schematic



PIN	Description
1	Collector 1
2	Base 1
3	Emmitter 1
4	Thermosensor
5	Thermosensor
6	Emmitter 2
7	Base 2
8	Collector 2



- * 1 - place for mounting SMT thermosensor 2010
- 2 - heatsink , electrical contact with substrate
- 3 - place of thermocontact of heatsink with thermosensor

Thermosensor not mounted.