**PI90LV01 IBIS Model Check**

**Two IBIS Models: PI90LV01\_TE.ibs.**

**1. Model Type**

These two ibis models are just different in packaging, their pin information are the same.

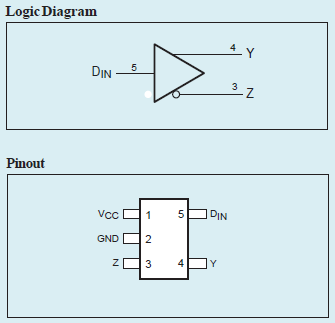
pi90lv01te.ibs– 5-pin space-saving SOT23 (T)

**[Pin]** signal\_name model\_name

1 VCC POWER

2 GND GND

3 Z OUTPUT

4 Y OUTPUT

5 DIN INPUT

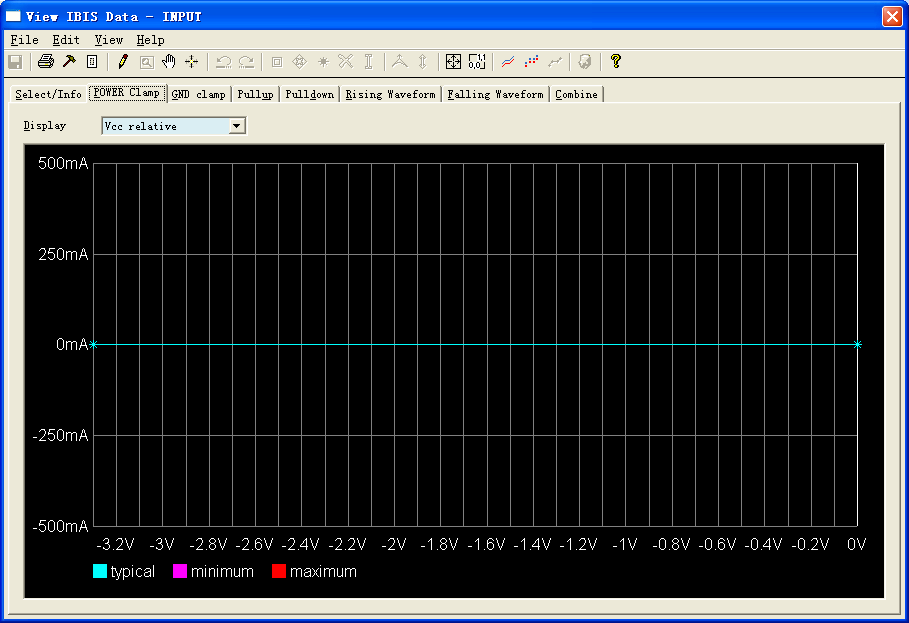
**Conclusion**

The PIN information described in IBIS model is **exactly correct** according to the datasheet.

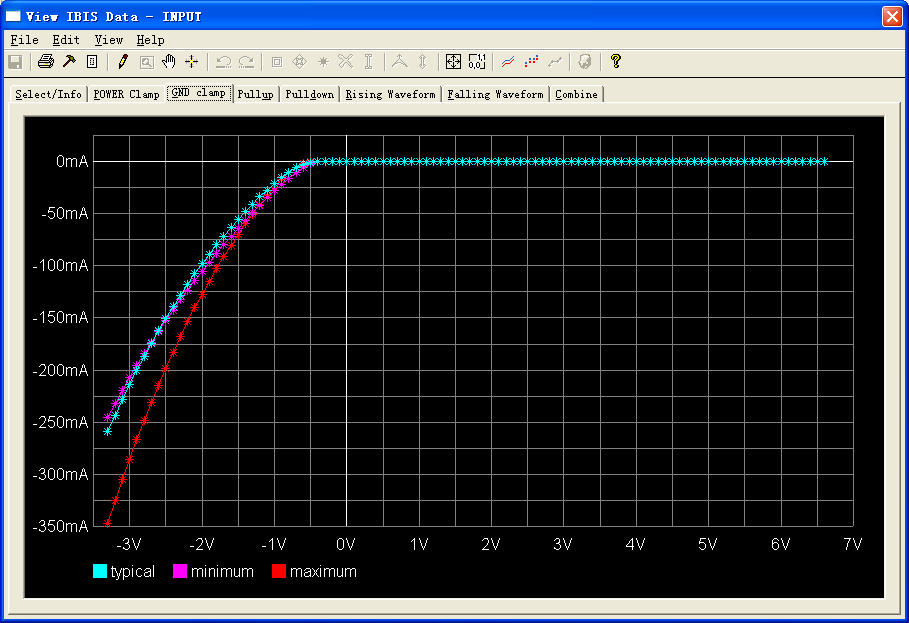
**2. IBIS Data Graph of PI90LV01TE.ibs**

**(1) Model INPUT:**

a. POWER Clamp

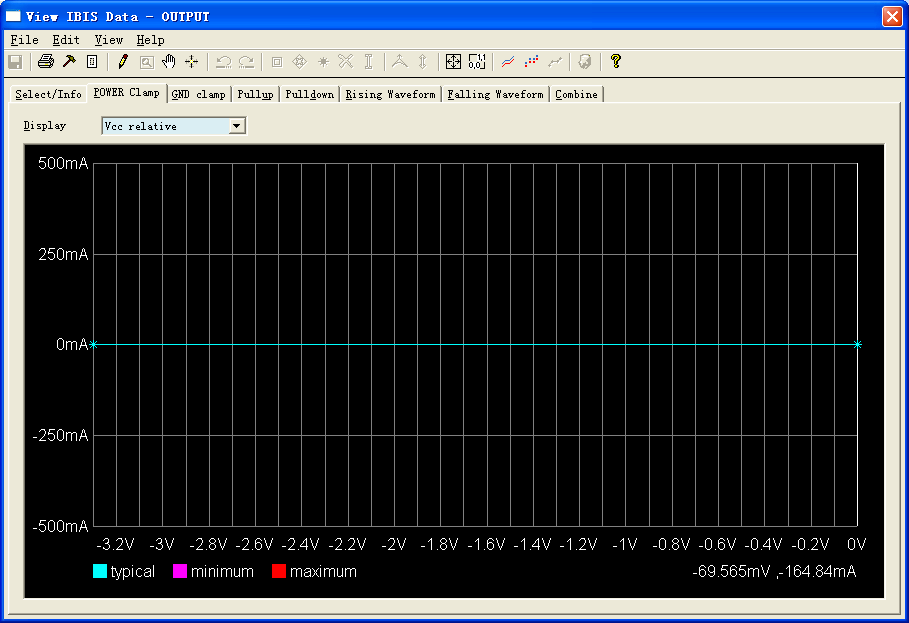
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b. GND Clamp

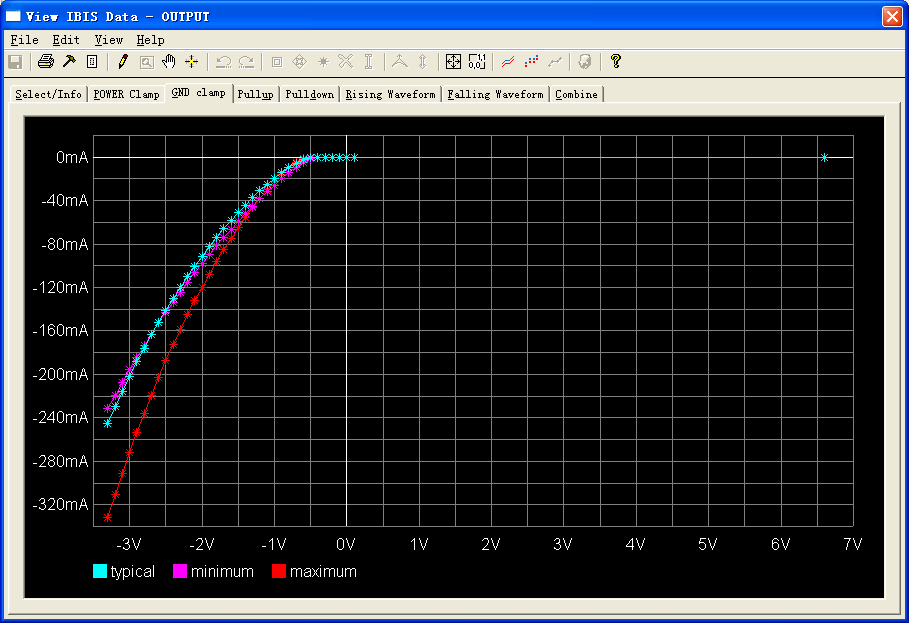
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**(2) Model OUTPUT:**

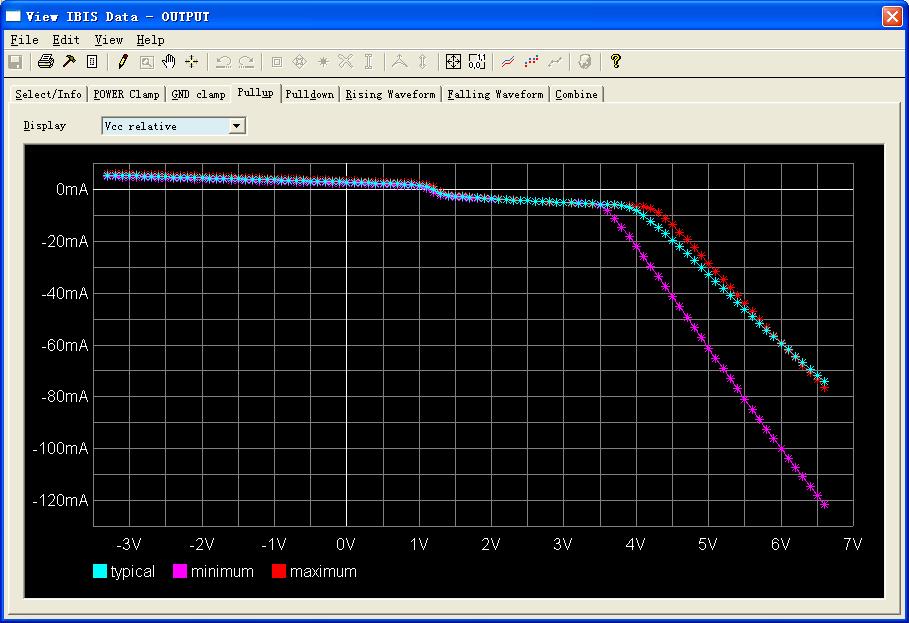
a. POWER Clamp



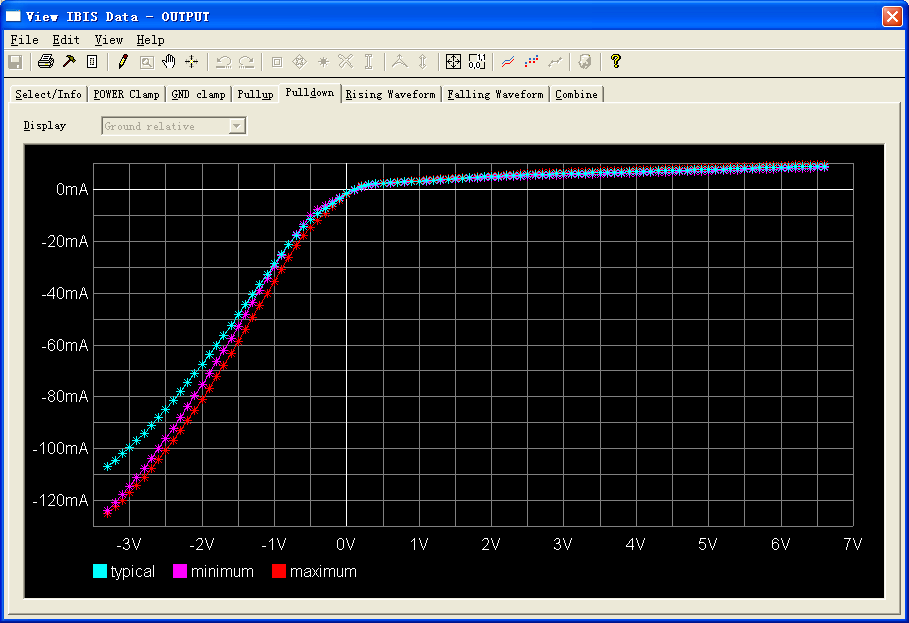
b. GND Clamp



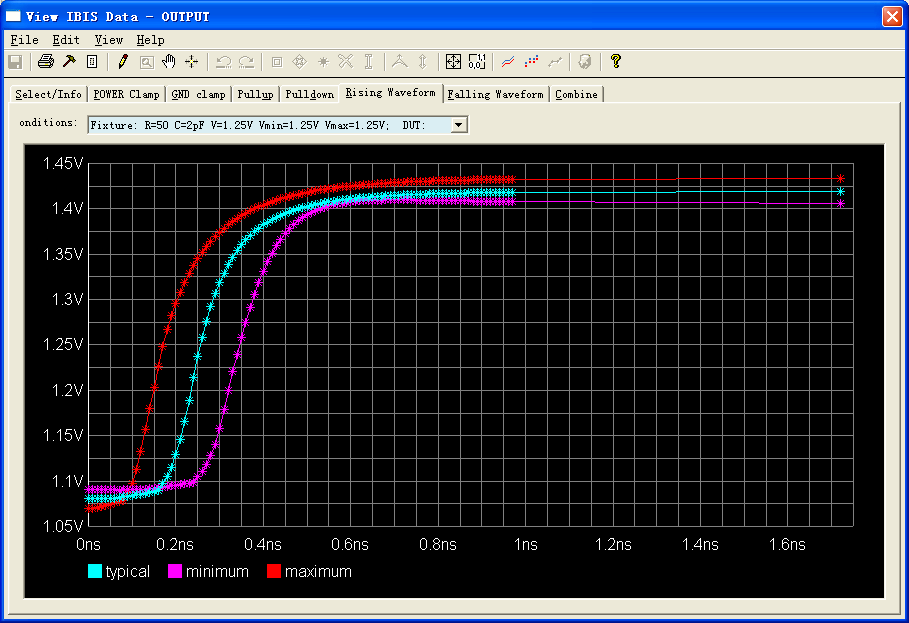
c. Pullup

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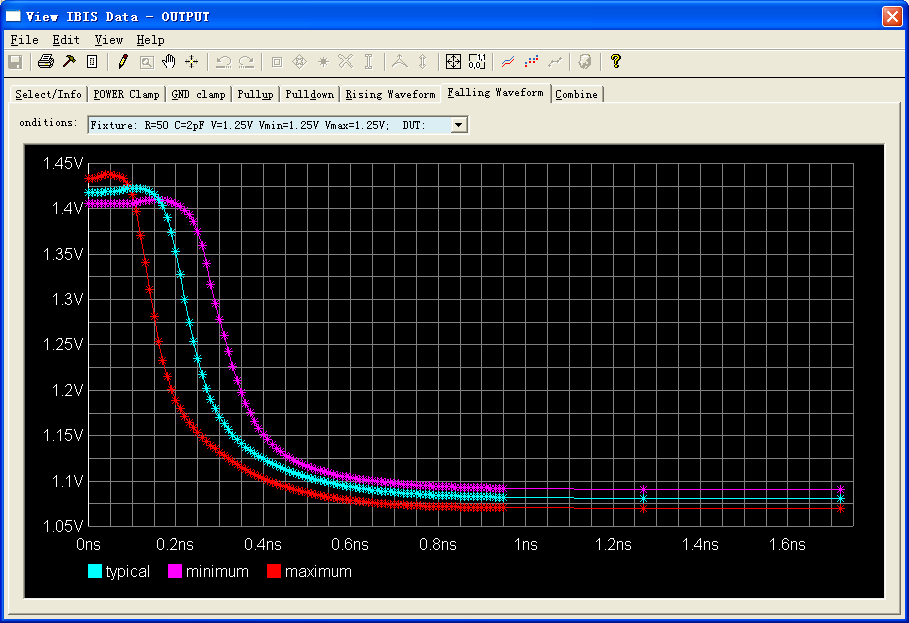
d. Pulldown



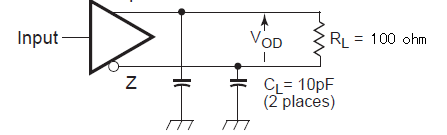
e. Rising Waveform



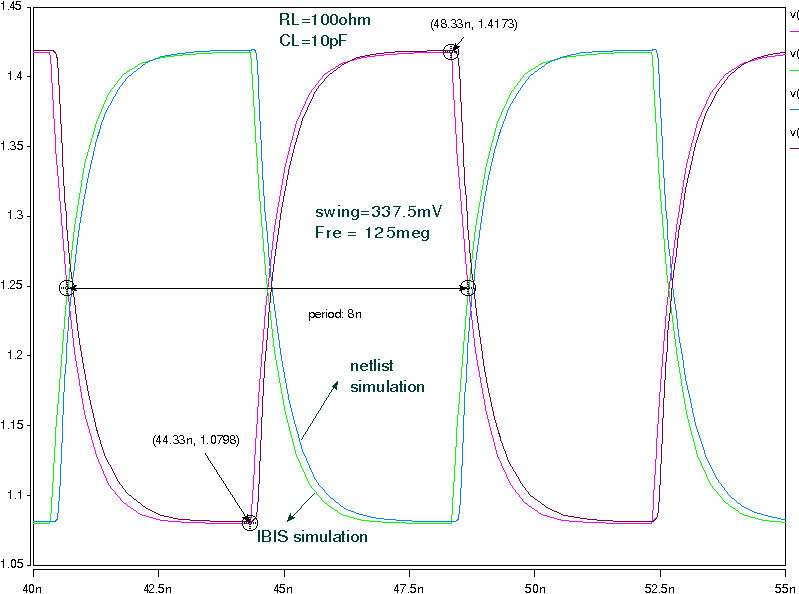
f. Falling Waveform



**3) Simulation waveform:**



Condition: RL=100ohm, CL=10pF, Frequency=125meg



Condition: RL=100ohm, CL=10pF, Frequency=330meg

