

**AFT09H310 type (Explanation)**

The ordinary power amplifier part of the 850IC RDU is designed using AFT09H310 made by Freescale semiconductor as the final Transistor.

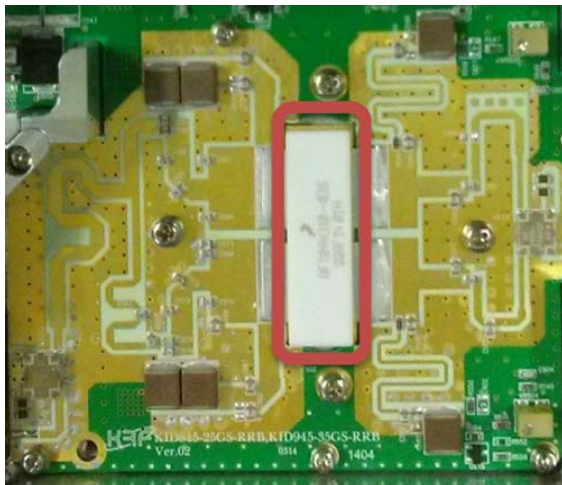
**MRF8P8300 type (Explanation)**

On these days, It's so hard to get supplies from Freescale Semiconductor because of big demands from China, and it definitely affected our business.

For this reason, we needed to find and register other vendors for an alternative transistor that is compatible with AFT09H310.

The transistor we found is MRF8P8300 which is the same size as the one from Freescale.

Also, with this transistor, it can be designed easily without changing the PCB and we just need to change a few capacitors around to optimize the characteristics which are well stipulated in the requirements for desired frequency.

**(Photo)****(Photo)**