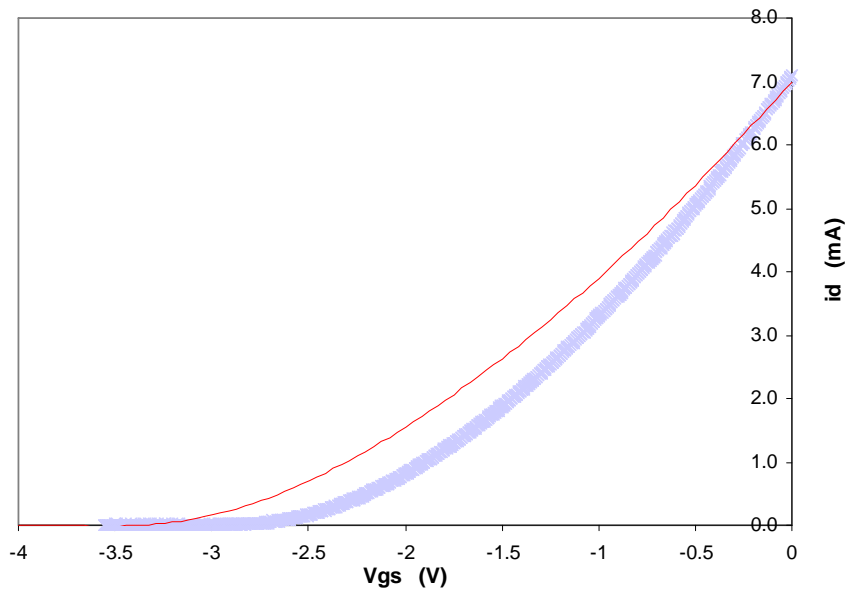


## Characteristics of Further Complementary Small-Signal JFET

EUVL

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Further to the  $I_d$  vs  $V_{gs}$  characteristics of Toshiba & NEC complementary JFETs published earlier, there is another pair, the well known Toshiba 2SK246BL / 2SJ103BL.



Both JFETs are with  $I_{dss}$  of 7mA. Red is 2SK246; blue is 2SJ103. For those who have hoped that these are better complementary than the K170/J74, sorry to disappoint you.

Again, the degeneration trick comes to the rescue. Show below is the same 2SK246 with  $I_{dss}$  of 7mA, but against a 2SJ103 with  $I_{dss}$  of 9.4mA and a degeneration resistor of 75 ohm.

