



# KRX204E

## Q1 ELECTRICAL CHARACTERISTICS (Ta=25 °C)

| CHARACTERISTIC         | SYMBOL       | TEST CONDITION        | MIN. | TYP. | MAX. | UNIT. |
|------------------------|--------------|-----------------------|------|------|------|-------|
| Output Cut-off Current | $I_{O(OFF)}$ | $V_O=50V, V_I=0$      | -    | -    | 500  | nA    |
| DC Current Gain        | $G_I$        | $V_O=5V, I_O=10mA$    | 80   | 200  | -    |       |
| Output Voltage         | $V_{O(ON)}$  | $I_O=10mA, I_I=0.5mA$ | -    | 0.1  | 0.3  | V     |
| Input Voltage (ON)     | $V_{I(ON)}$  | $V_O=0.2V, I_O=5mA$   | -    | 0.8  | 1.1  | V     |
| Input Voltage (OFF)    | $V_{I(OFF)}$ | $V_O=5V, I_O=0.1mA$   | 0.5  | 0.65 | -    | V     |
| Transition Frequency   | $f_T^*$      | $V_O=10V, I_O=5mA$    | -    | 200  | -    | MHz   |
| Input Current          | $I_I$        | $V_I=5V$              | -    | -    | 3.6  | mA    |

Note : \* Characteristic of Transistor Only.

## Q2 ELECTRICAL CHARACTERISTICS (Ta=25 °C)

| CHARACTERISTIC         | SYMBOL       | TEST CONDITION          | MIN. | TYP.  | MAX. | UNIT. |
|------------------------|--------------|-------------------------|------|-------|------|-------|
| Output Cut-off Current | $I_{O(OFF)}$ | $V_O=-50V, V_I=0$       | -    | -     | -500 | nA    |
| DC Current Gain        | $G_I$        | $V_O=-5V, I_O=-10mA$    | 80   | 200   | -    |       |
| Output Voltage         | $V_{O(ON)}$  | $I_O=-10mA, I_I=-0.5mA$ | -    | -0.1  | -0.3 | V     |
| Input Voltage (ON)     | $V_{I(ON)}$  | $V_O=-0.2V, I_O=-5mA$   | -    | -0.8  | -1.1 | V     |
| Input Voltage (OFF)    | $V_{I(OFF)}$ | $V_O=-5V, I_O=-0.1mA$   | -0.5 | -0.65 | -    | V     |
| Transition Frequency   | $f_T^*$      | $V_O=-10V, I_O=-5mA$    | -    | 200   | -    | MHz   |
| Input Current          | $I_I$        | $V_I=-5V$               | -    | -     | -3.6 | mA    |

Note : \* Characteristic of Transistor Only.

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