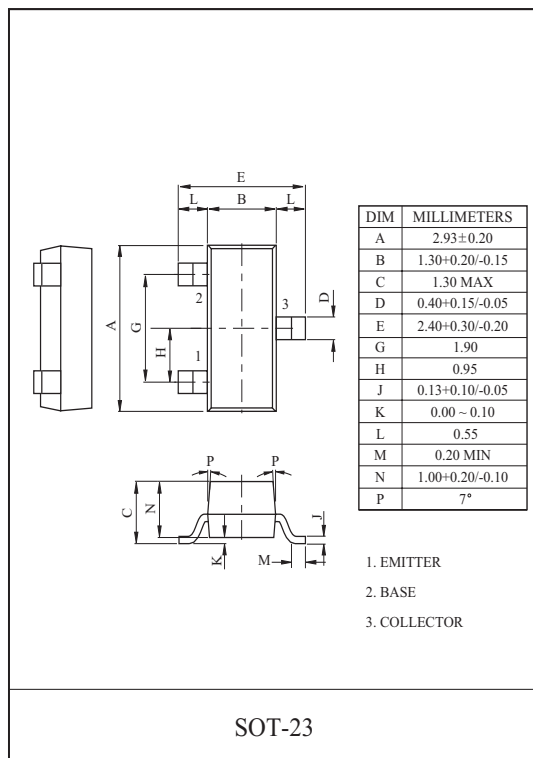
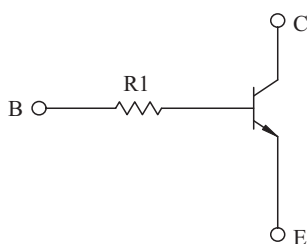


SWITCHING APPLICATION.
AUDIO MUTING APPLICATION.
INTERFACE CIRCUIT AND DRIVER
CIRCUIT APPLICATION.

FEATURES

- With Built-in Bias Resistors.
- Simplify Circuit Design.
- Reduce a Quantity of Parts and Manufacturing Process.

EQUIVALENT CIRCUIT



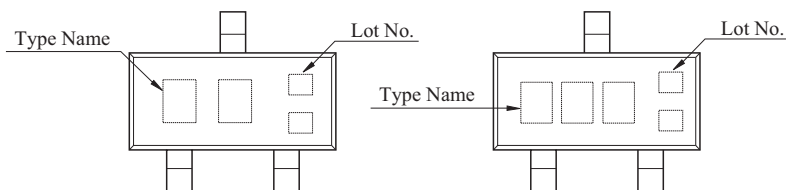
MAXIMUM RATING (Ta=25 °C)

| CHARACTERISTIC | SYMBOL | RATING | UNIT |
|-----------------------------|-----------|---------|------|
| Collector-Base Voltage | V_{CBO} | 30 | V |
| Collector-Emitter Voltage | V_{CEO} | 15 | V |
| Emitter-Base Voltage | V_{EBO} | 5 | V |
| Collector Current | I_C | 600 | mA |
| Collector Power Dissipation | P_C | 200 | mW |
| Junction Temperature | T_j | -55~150 | |
| Storage Temperature Range | T_{stg} | -55 150 | |

MARK SPEC

| TYPE | KRC231S | KRC232S | KRC233S | KRC234S | KRC235S |
|------|---------|---------|---------|---------|---------|
| MARK | NW | NY | NZ | NNA | NNB |

Marking



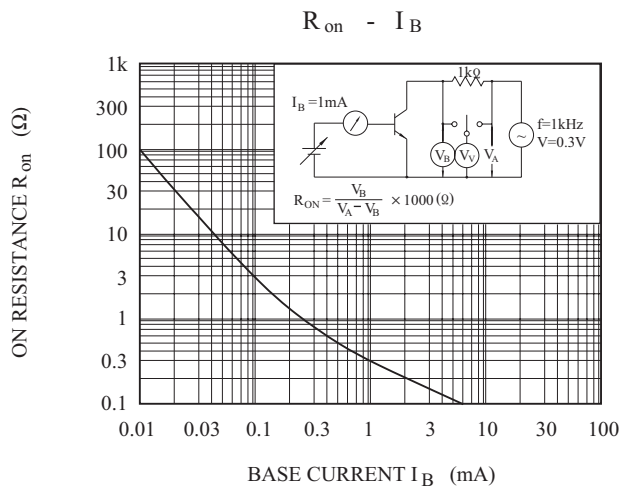
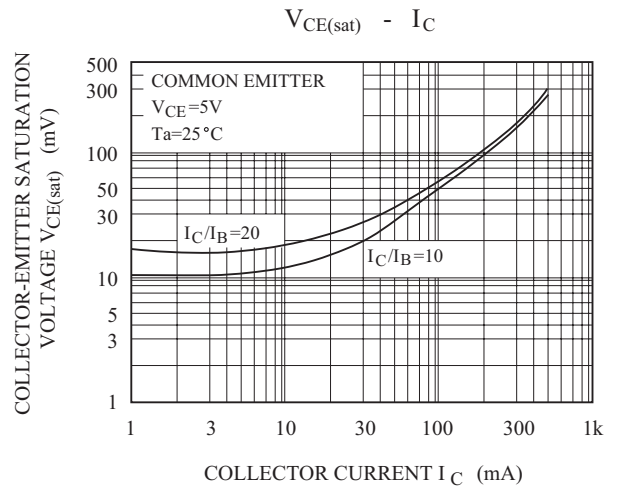
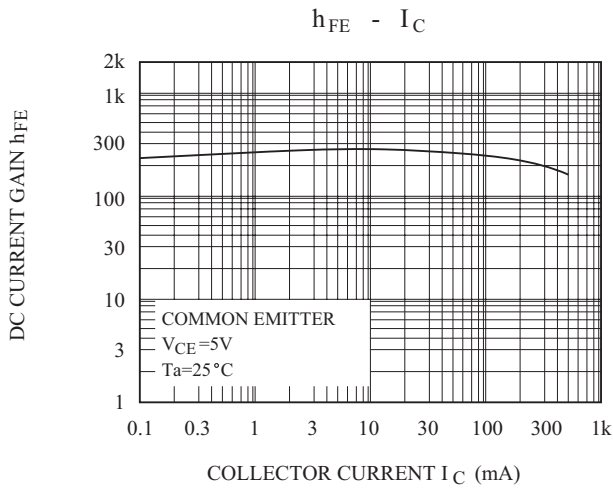
KRC231S~KRC235S

ELECTRICAL CHARACTERISTICS (Ta=25)

| CHARACTERISTIC | | SYMBOL | TEST CONDITION | MIN. | TYP. | MAX. | UNIT |
|--------------------------------------|---------|---------------|--|------|------|------|---------|
| Collector-Emitter Breakdown Voltage | | BV_{CEO} | $I_C=1mA$ | 15 | - | - | V |
| Collector-Base Breakdown Voltage | | BV_{CBO} | $I_C=50\mu A$ | 30 | - | - | V |
| Emitter-Base Breakdown Voltage | | BV_{EBO} | $I_E=50\mu A$ | 5.0 | - | - | V |
| Collector Cut-off Current | | I_{CBO} | $V_{CB}=30V$ | - | - | 0.5 | μA |
| Collector-Emitter Saturation Voltage | | $V_{CE(sat)}$ | $I_C=50mA, I_B=2.5mA$ | - | 40 | 80 | mV |
| DC Current Gain | | h_{FE} | $V_{CE}=5V, I_C=50mA$ | 200 | 350 | 800 | - |
| Input Resistor | KRC231S | R_I | | 1.54 | 2.2 | 2.86 | k |
| | KRC232S | | | 3.92 | 5.6 | 7.28 | |
| | KRC233S | | | 7 | 10 | 13 | |
| | KRC234S | | | 3.29 | 4.7 | 6.11 | |
| | KRC235S | | | 4.76 | 6.8 | 8.84 | |
| Transition Frequency | | f_T^* | $V_{CE}=10V, I_E=-50mA,$ $f=100MHz$ | - | 200 | - | MHz |
| On Resistance | | R_{on} | $f=1kHz, I_B=1mA, V_{IN}=0.3V$ | - | 0.6 | - | |

Note : * Characteristic of Transistor Only.

KRC231S~KRC235S



单击下面可查看定价，库存，交付和生命周期等信息

[>>KEC\(开益禧\)](#)