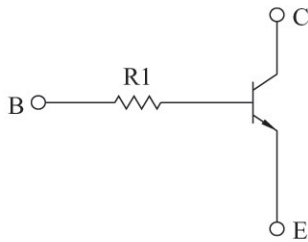


SWITCHING APPLICATION.  
INTERFACE CIRCUIT AND DRIVER CIRCUIT APPLICATION.

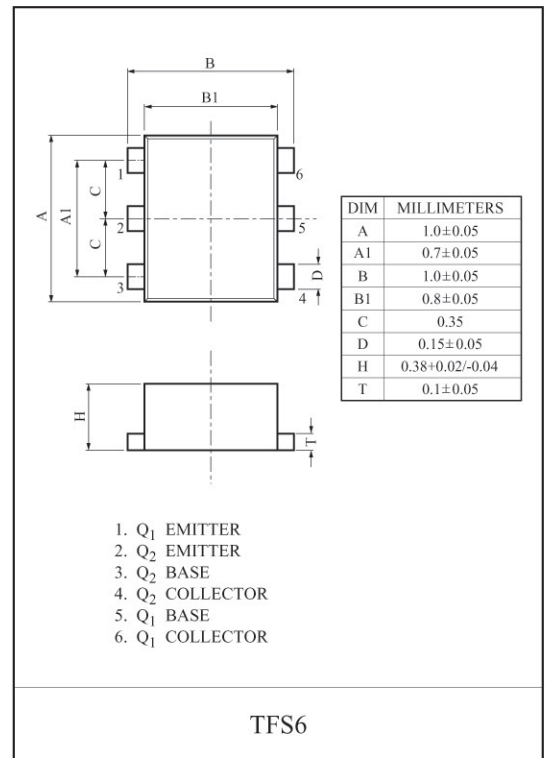
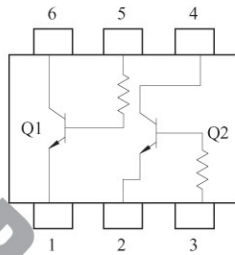
### FEATURES

- With Built-in Bias Resistors.
- Simplify Circuit Design.
- Reduce a Quantity of Parts and Manufacturing Process.
- High Packing Density.
- Thin Fine Pitch Super mini 6 pin Package.

### EQUIVALENT CIRCUIT



### EQUIVALENT CIRCUIT (TOP VIEW)



### MAXIMUM RATING (Ta=25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Collector-Base Voltage	$V_{CBO}$	20	V
Collector-Emitter Voltage	$V_{CEO}$	20	V
Emitter-Base Voltage	$V_{EBO}$	5	V
Collector Current	$I_C$	50	mA

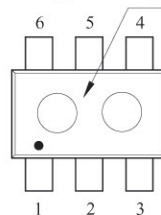
CHARACTERISTIC	SYMBOL	RATING	UNIT
Collector Power Dissipation	$P_C$	50	mW
Junction Temperature	T	150	°C
Storage Temperature Range	$T_{stg}$	55~150	°C

Total Rating.

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

CHARACTERISTIC		SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Collector Cut-off Current		$I_{CBO}$	$V_{CB}=20V$ $I_E=0$	-	-	100	nA
Emitter Cut-off Current		$I_{EBO}$	$V_{EB}=5V$ $I_C=0$	-	-	100	nA
DC Current Gain		$h_{FE}$	$V_{CE}=5V$ $I_C=1mA$	300	-	-	
Collector-Emitter Saturation Voltage		$V_{CE(sat)}$	$I_C=5mA$ $I_B=0.25mA$	-	-	0.15	V
Collector output capacitance		$C_o$	$V_{CB}=10V$ $I_E=0$ $f_T=1MH$	-	1.2	-	pF
Input Resistor	KRC830F	$R_1$	-	3.2	4.7	6.11	kΩ
	KRC831F			7	10	13	
	KRC833F			15.4	22	28.6	
	KRC834F			32.	47	61.1	

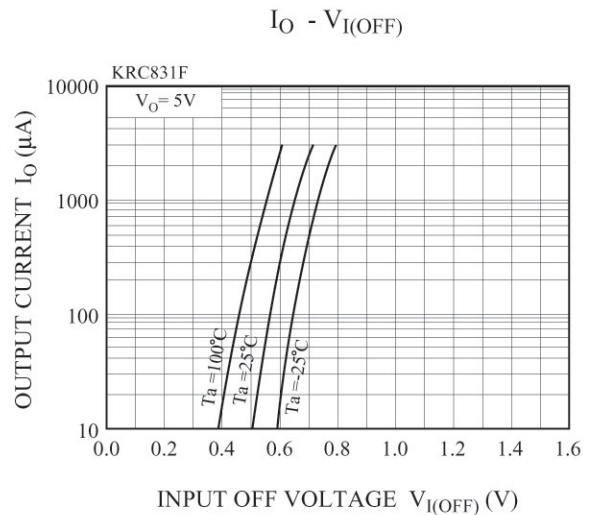
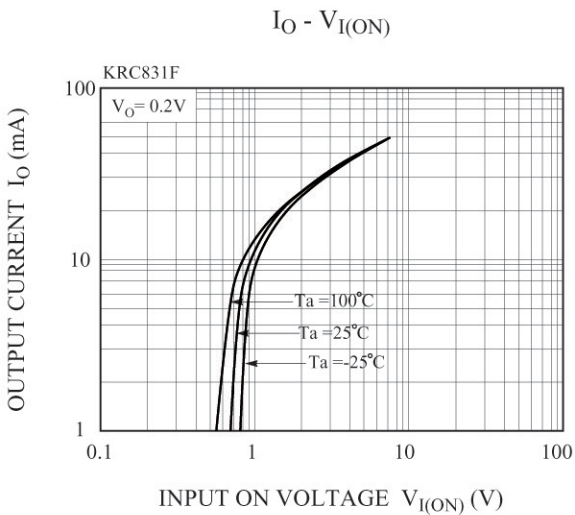
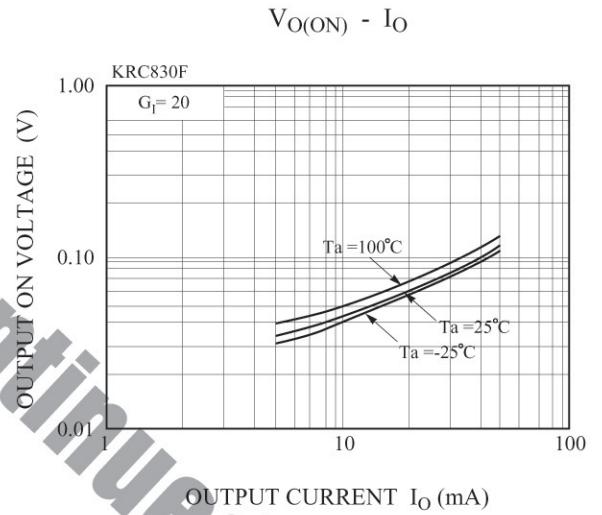
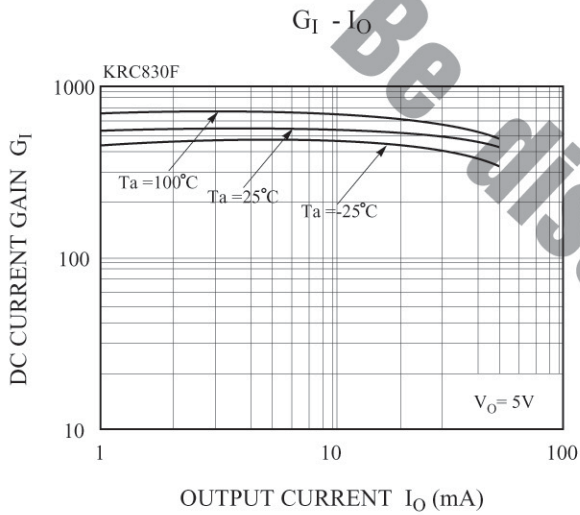
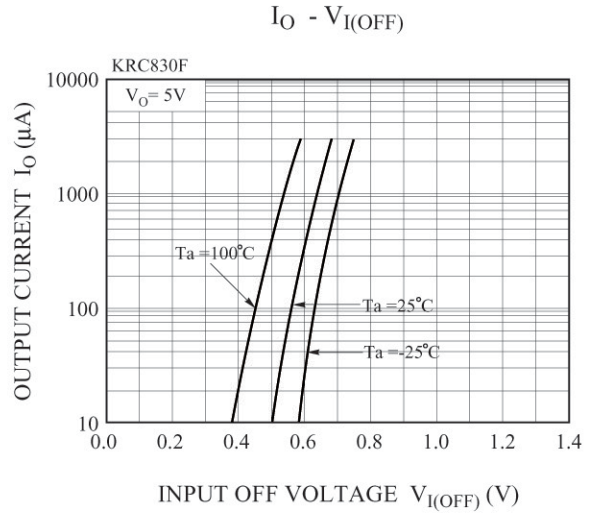
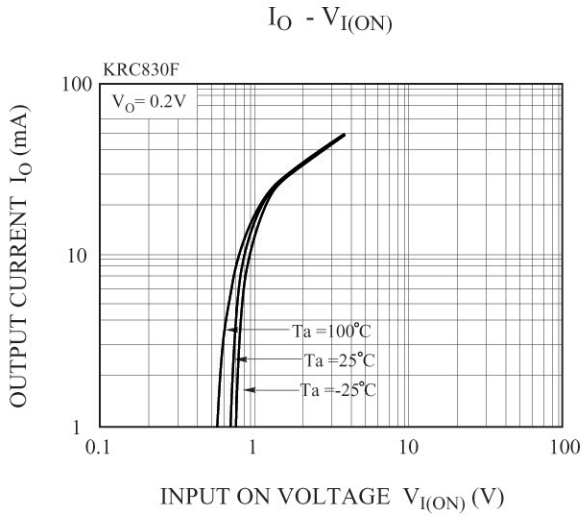
### Marking



### MARK SPEC

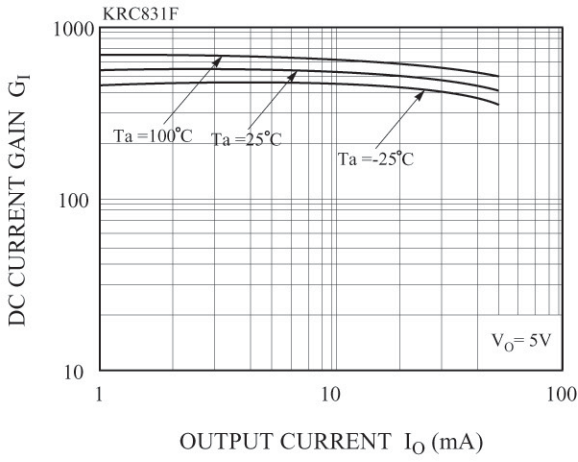
TYPE	KRC830F	KRC831F	KRC833F	KRC834F
MARK	NK	NL	NN	NP

# KRC830F~KRC834F

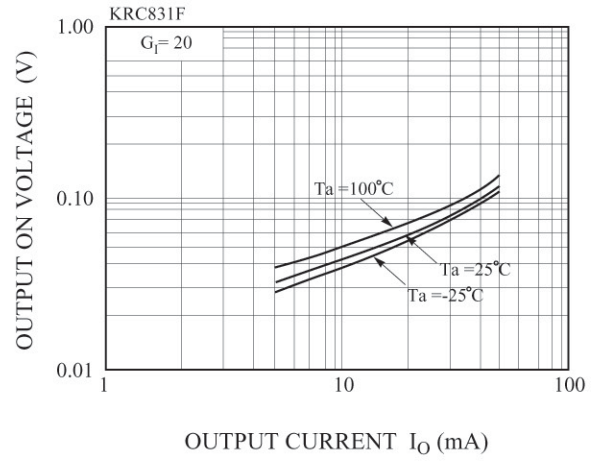


# KRC830F~KRC834F

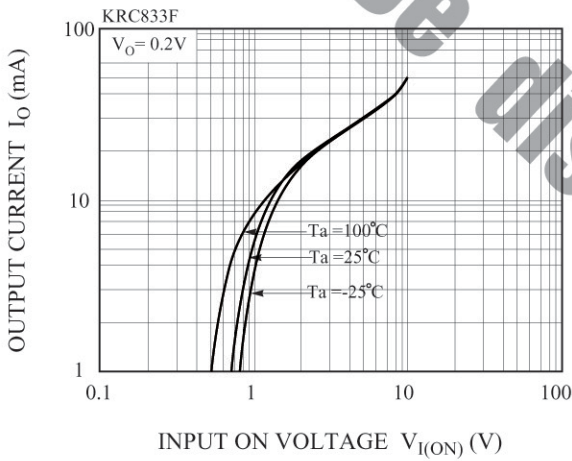
$G_I - I_O$



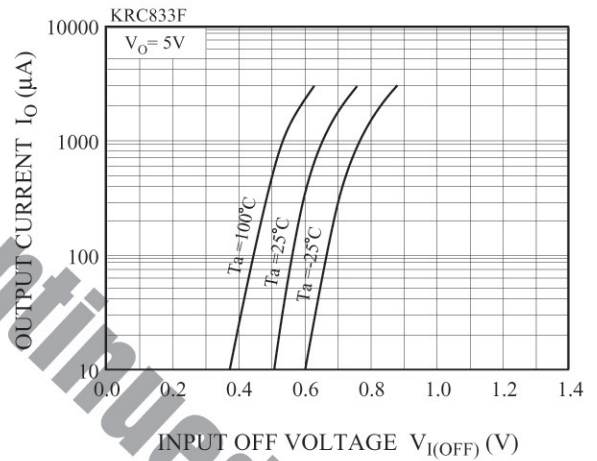
$V_{O(ON)} - I_O$



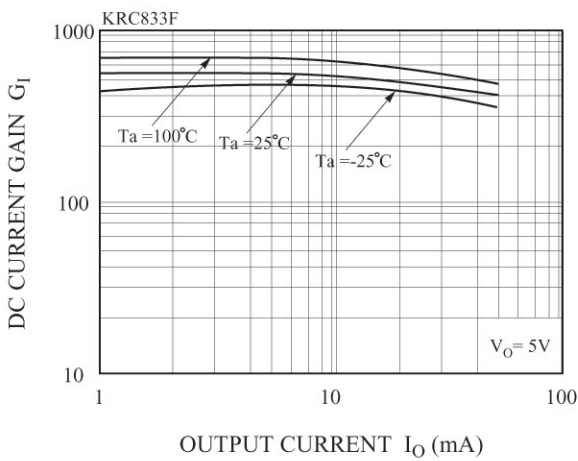
$I_O - V_{I(ON)}$



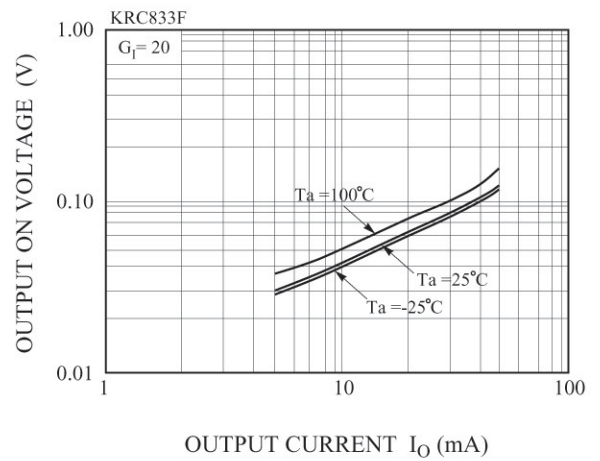
$I_O - V_{I(OFF)}$



$G_I - I_O$

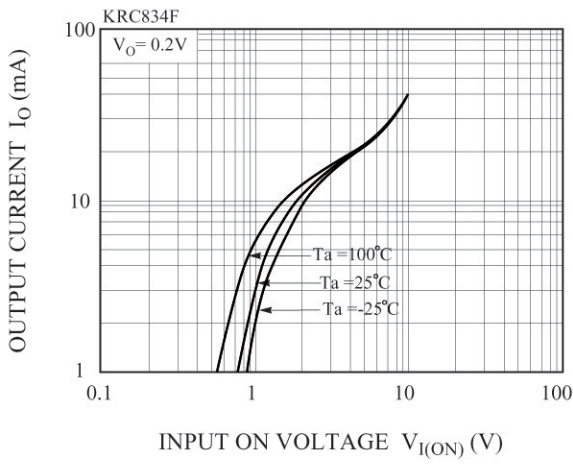


$V_{O(ON)} - I_O$

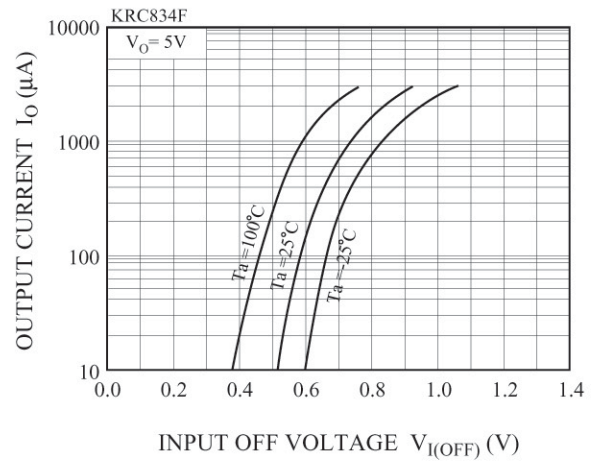


# KRC830F~KRC834F

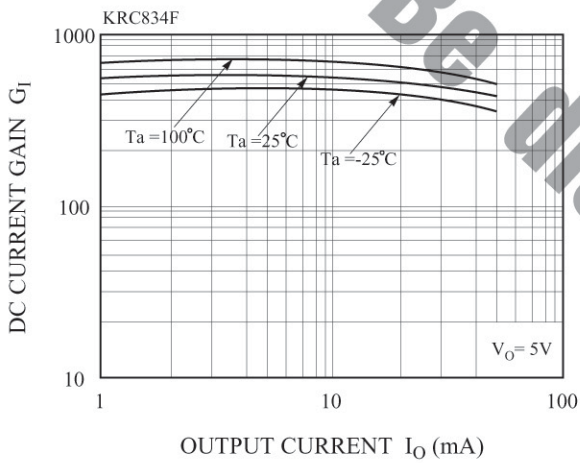
$I_O - V_{I(ON)}$



$I_O - V_{I(OFF)}$



$G_I - I_O$



$V_{O(ON)} - I_O$

