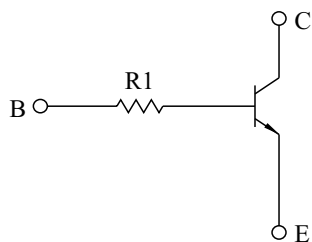


SWITCHING APPLICATION.
INTERFACE CIRCUIT AND DRIVER CIRCUIT APPLICATION.

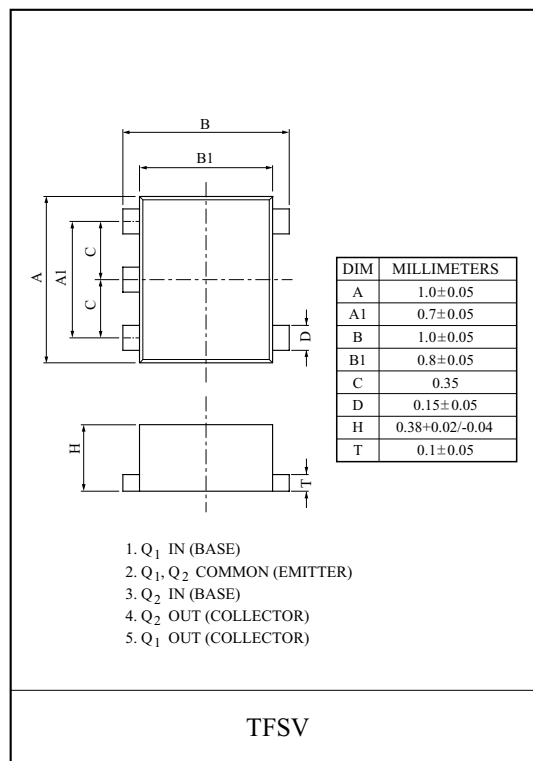
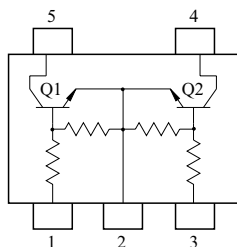
FEATURES

- With Built-in Bias Resistors.
- Simplify Circuit Design.
- Reduce a Quantity of Parts and Manufacturing Process.
- High Packing Density.
- Thin Fine Pitch Super mini 5pin Package.

EQUIVALENT CIRCUIT



EQUIVALENT CIRCUIT (TOP VIEW)



MAXIMUM RATING (Ta=25 °C)

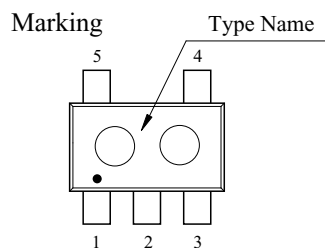
CHARACTERISTIC	SYMBOL	RATING	UNIT	CHARACTERISTIC	SYMBOL	RATING	UNIT
Collector-Base Voltage	V_{CBO}	20	V	Collector Power Dissipation	P_C^*	50	mW
Collector-Emitter Voltage	V_{CEO}	20	V	Junction Temperature	T_j	150	
Emitter-Base Voltage	V_{EBO}	5	V	Storage Temperature Range	T_{stg}	-55 150	
Collector Current	I_C	50	mA	* 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 _{ob}	V _{CB} =10V, I _E =0, f=1MHz	-	1.2	-	pF
Input Resistor	KRC660F	R ₁	-	3.29	4.7	6.11	kΩ
	KRC661F			7	10	13	
	KRC663F			15.4	22	28.6	
	KRC664F			32.9	47	61.1	

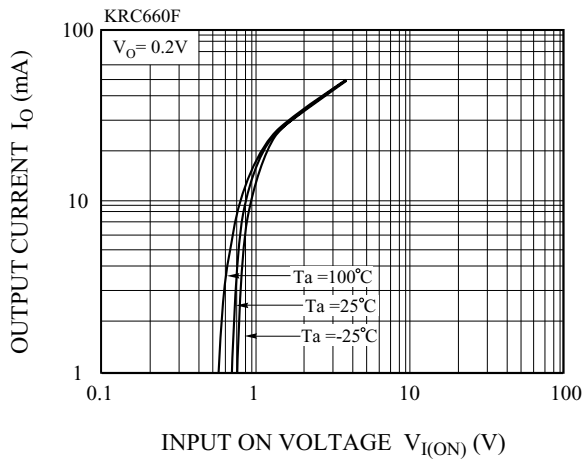
MARK SPEC

TYPE	KRC660F	KRC661F	KRC663F	KRC664F
MARK	JK	JL	JN	JP

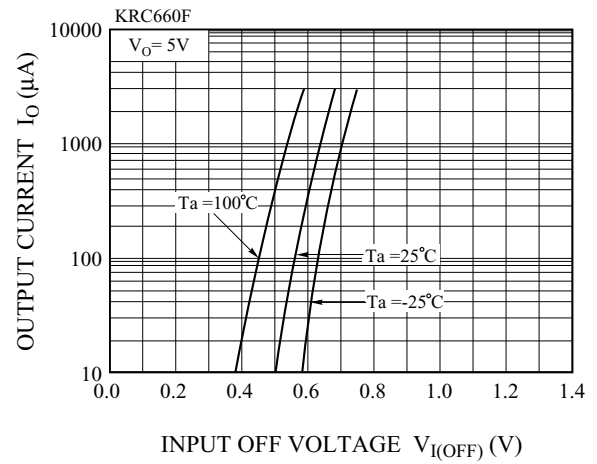


KRC660F~KRC664F

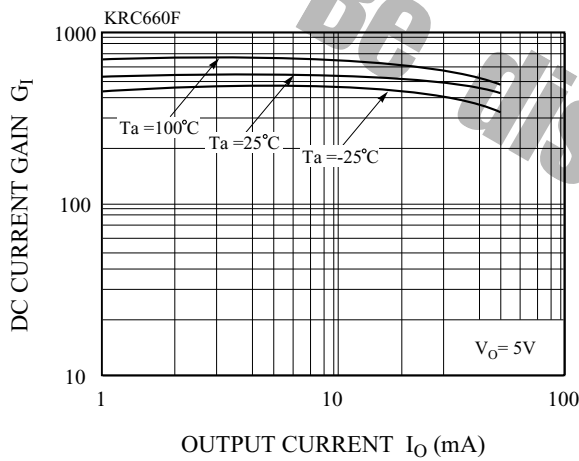
$I_O - V_{I(ON)}$



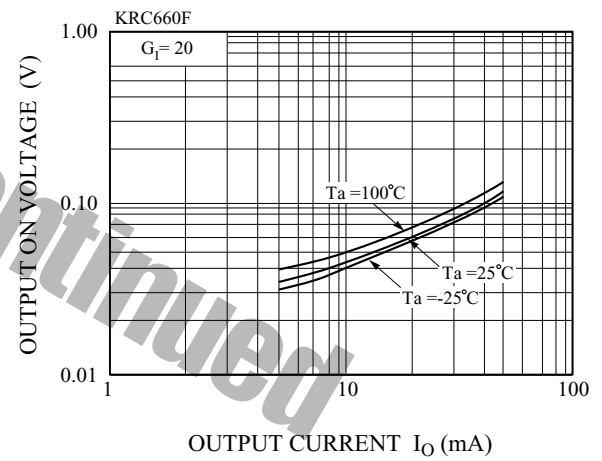
$I_O - V_{I(OFF)}$



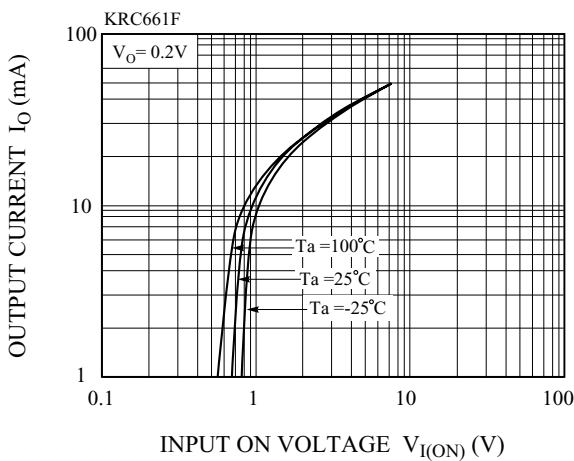
$G_I - I_O$



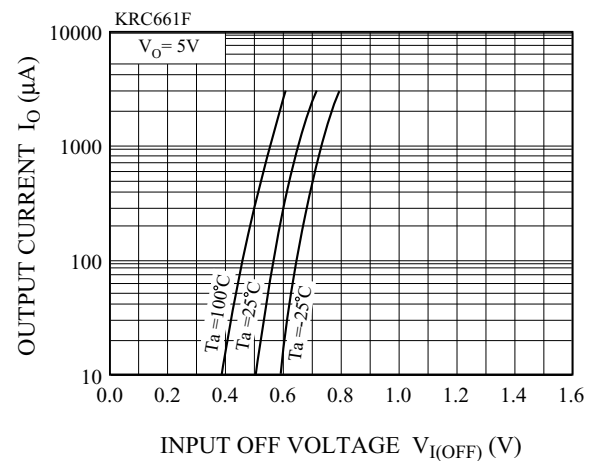
$V_{O(ON)} - I_O$



$I_O - V_{I(ON)}$

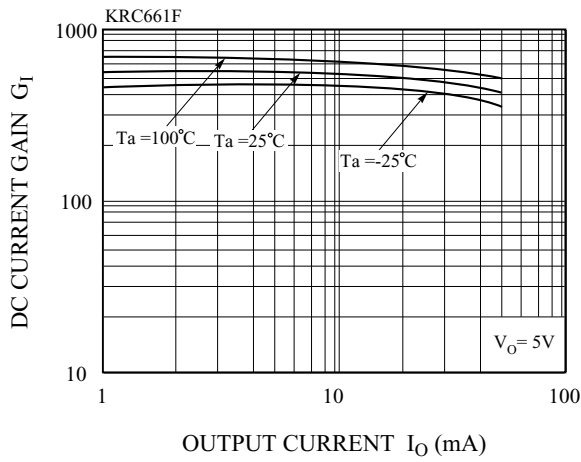


$I_O - V_{I(OFF)}$

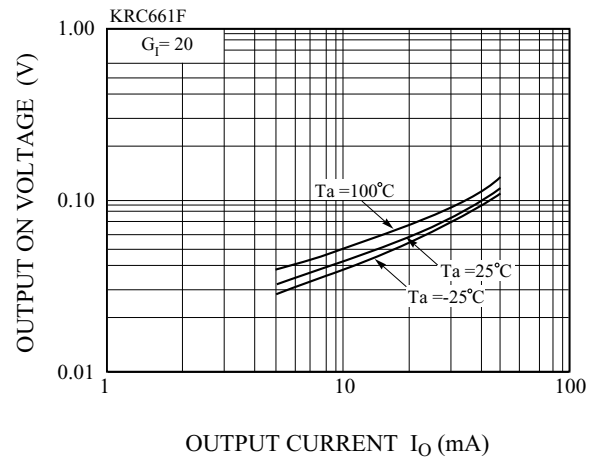


KRC660F~KRC664F

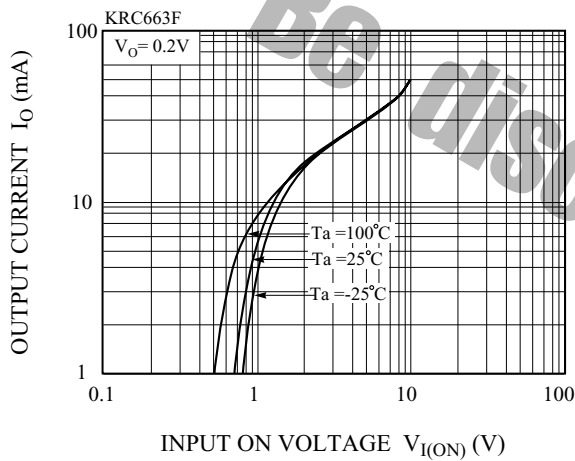
$G_I - I_O$



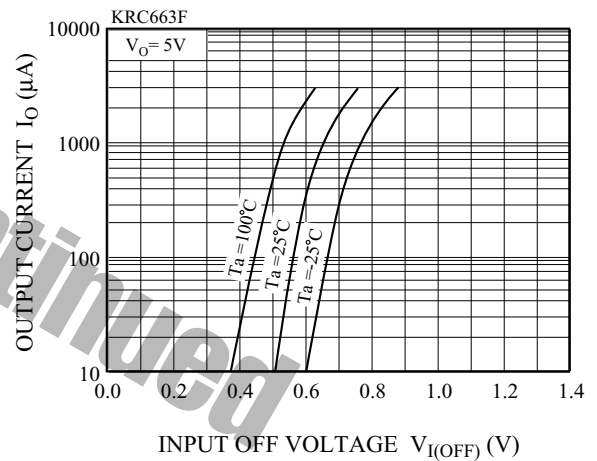
$V_{O(ON)} - I_O$



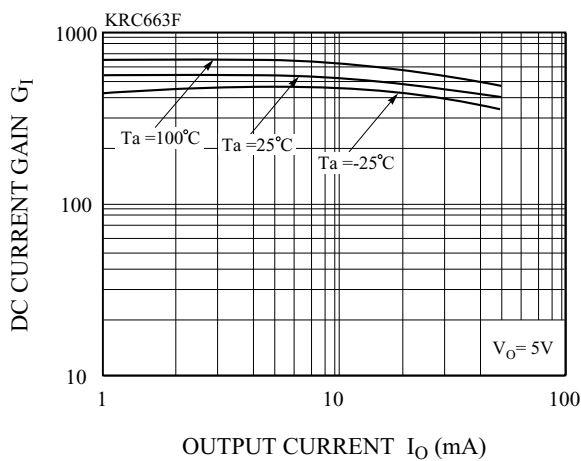
$I_O - V_{I(ON)}$



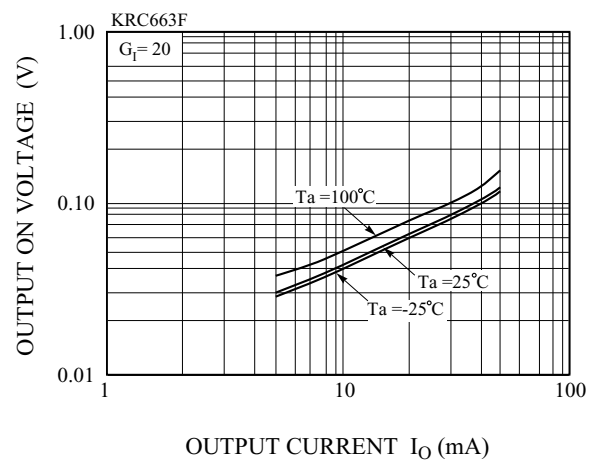
$I_O - V_{I(OFF)}$



$G_I - I_O$

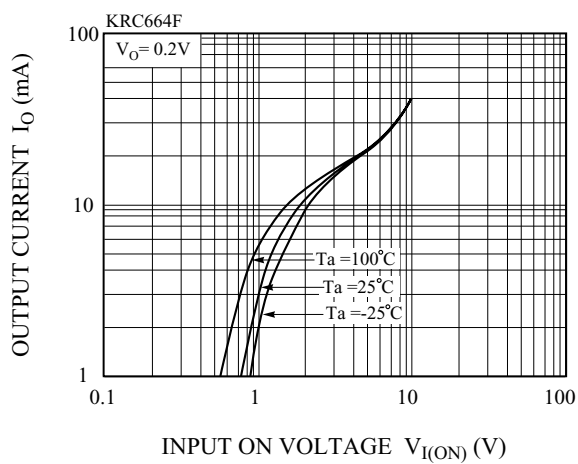


$V_{O(ON)} - I_O$

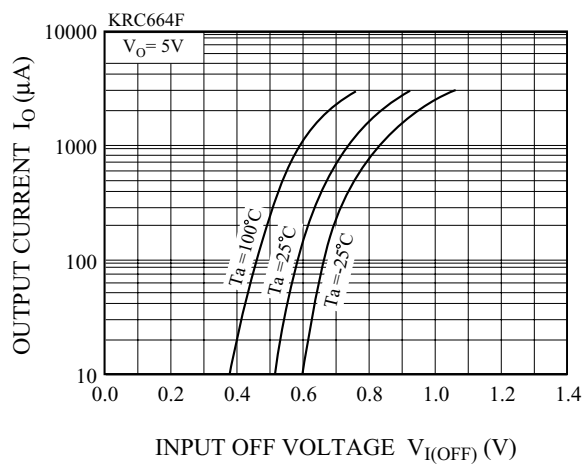


KRC660F~KRC664F

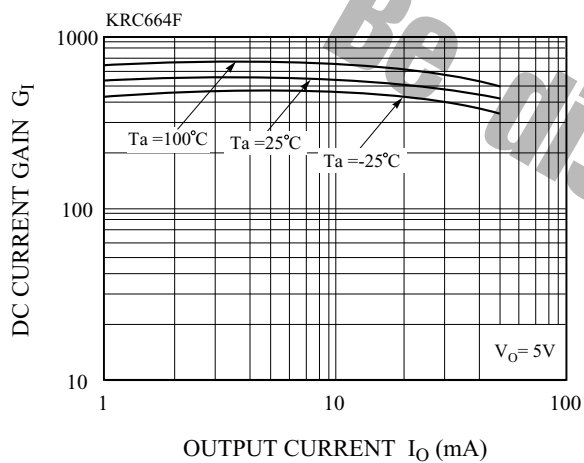
$I_O - V_{I(ON)}$



$I_O - V_{I(OFF)}$



$G_I - I_O$



$V_{O(ON)} - I_O$

