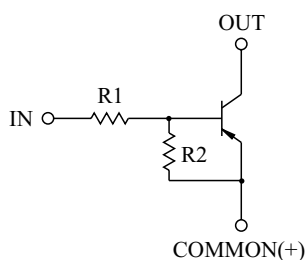


SWITCHING APPLICATION.
INTERFACE CIRCUIT AND DRIVER CIRCUIT APPLICATION.

FEATURES

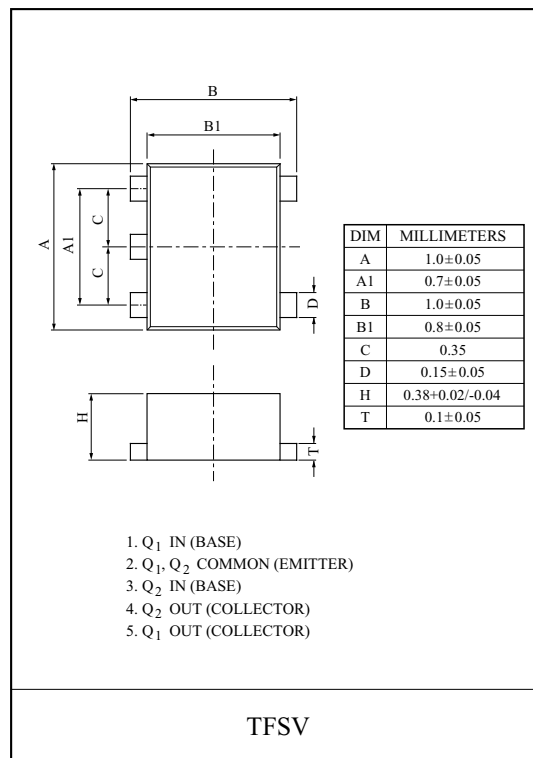
- With Built-in Bias Resistors.
- Simplify Circuit Design.
- Reduce a Quantity of Parts and Manufacturing Process.
- Thin Fine Pitch Super mini 5 pin Package.

EQUIVALENT CIRCUIT

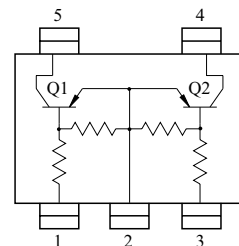


BIAS RESISTOR VALUES

TYPE NO.	R1(k Ω)	R2(k Ω)
KRA551F	4.7	4.7
KRA552F	10	10
KRA553F	22	22
KRA554F	47	47



EQUIVALENT CIRCUIT (TOP VIEW)



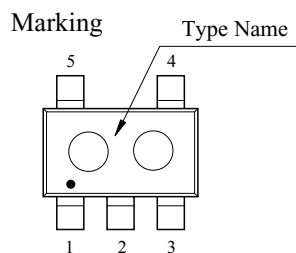
MAXIMUM RATING (Ta=25 °C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Output Voltage	V _O	-20	V
Input Voltage	V _I	-10/10	V
Output Current	I _O	-50	mA
Power Dissipation	P _D *	50	mW
Junction Temperature	T _j	150	°C
Storage Temperature Range	T _{stg}	55 ~ 150	°C

* Total Rating.

MARK SPEC

TYPE	KRA551F	KRA552F	KRA553F	KRA554F
MARK	HA	HB	HC	HD



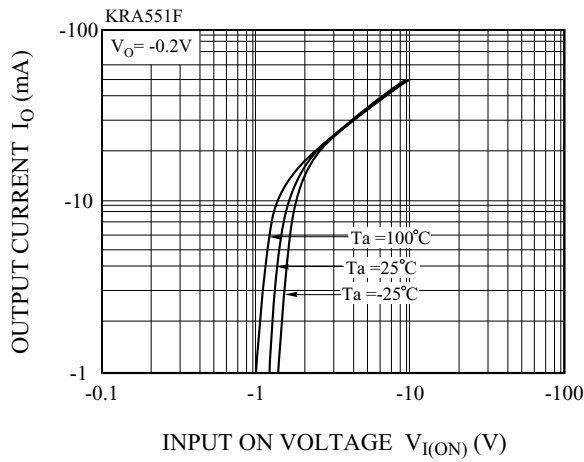
KRA551F~KRA554F

ELECTRICAL CHARACTERISTICS (Ta=25℃)

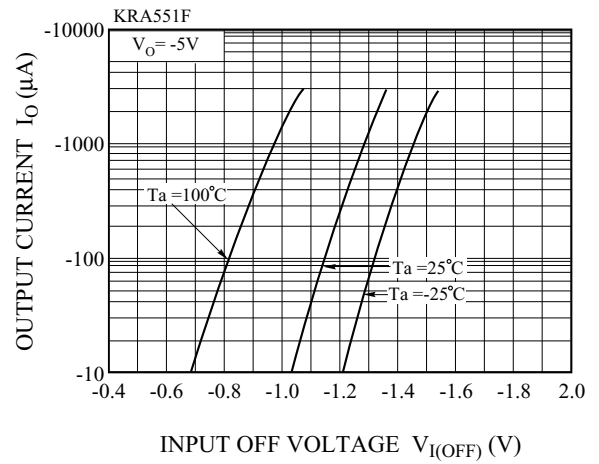
CHARACTERISTIC		SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Output Cut-off Current	KRA551F~554F	$I_{O(OFF)}$	$V_O=-20V, V_I=0$	-	-	-500	nA
DC Current Gain	KRA551F	G_I	$V_O=-5V, I_O=-10mA$	30	-	-	
	KRA552F			60	-	-	
	KRA553F			100	-	-	
	KRA554F			120	-	-	
Output Voltage	KRA551F~554F	$V_{O(ON)}$	$I_O=-5mA, I_I=-0.25mA$	-	-	-0.15	V
Input Voltage (ON)	KRA551F	$V_{I(ON)}$	$V_O=-0.2V, I_O=-5mA$	-	-	-2.0	V
	KRA552F			-	-	-2.2	
	KRA553F			-	-	-2.7	
	KRA554F			-	-	-3.6	
Input Voltage (OFF)	KRA551F~554F	$V_{I(OFF)}$	$V_O=-5V, I_O=-0.1mA$	-0.8	-	-1.5	V
Input Current	KRA551F	I_I	$V_I=-5V$	-	-	-1.8	mA
	KRA552F			-	-	-0.88	
	KRA553F			-	-	-0.36	
	KRA554F			-	-	-0.18	

KRA551F~KRA554F

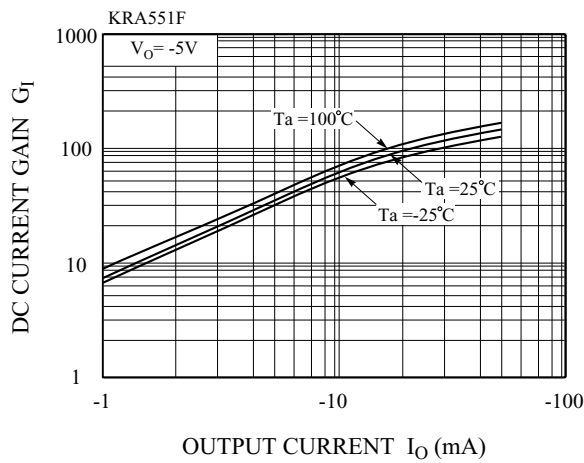
$I_O - V_{I(ON)}$



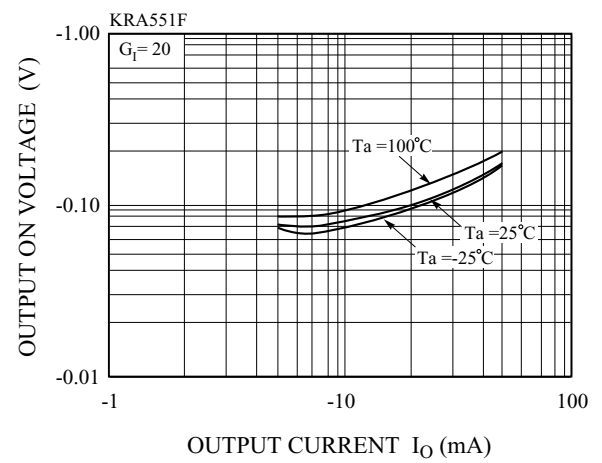
$I_O - V_{I(OFF)}$



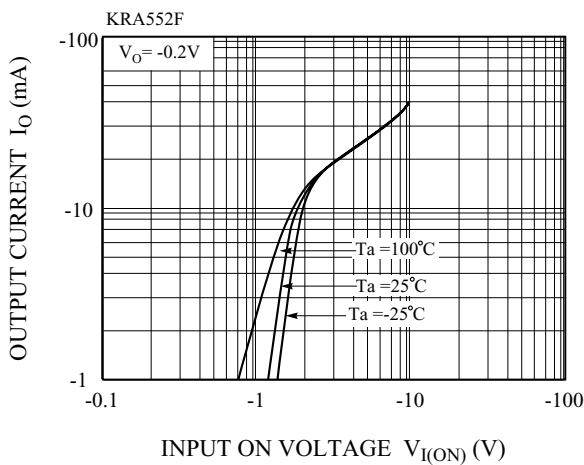
$G_I - I_O$



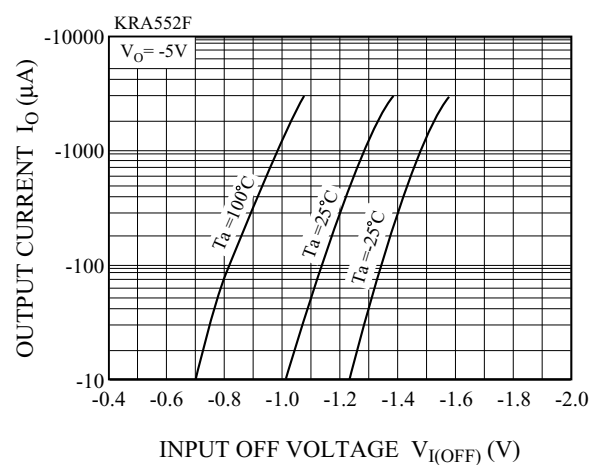
$V_{O(ON)} - I_O$



$I_O - V_{I(ON)}$

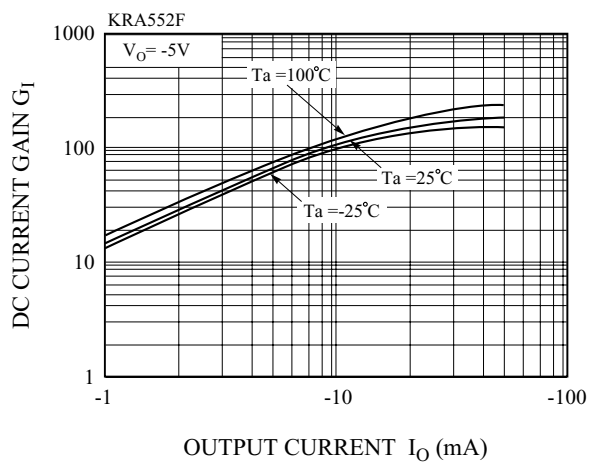


$I_O - V_{I(OFF)}$

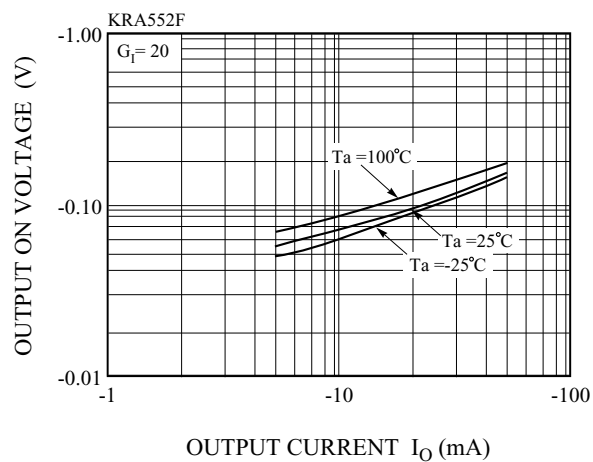


KRA551F~KRA554F

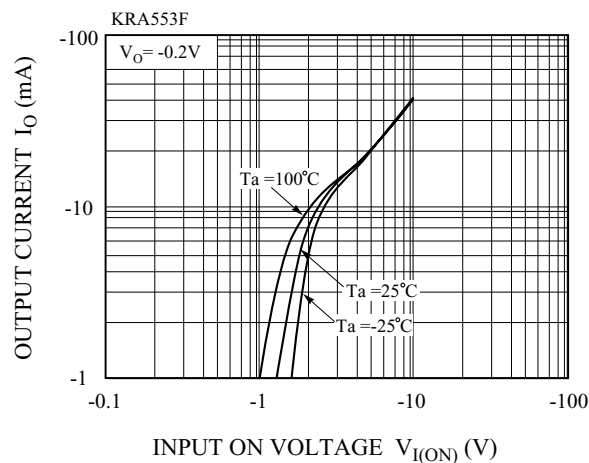
$G_I - I_O$



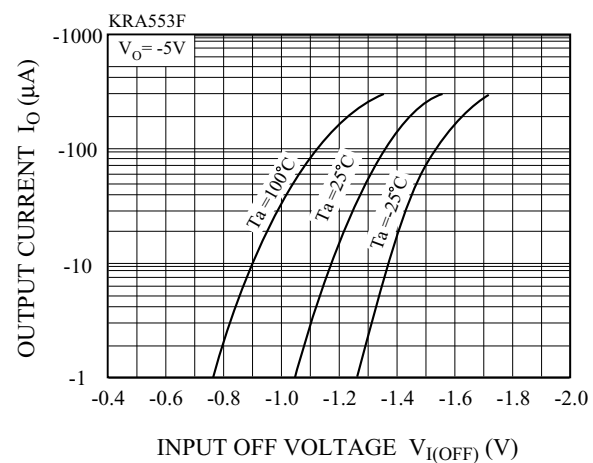
$V_{O(ON)} - I_O$



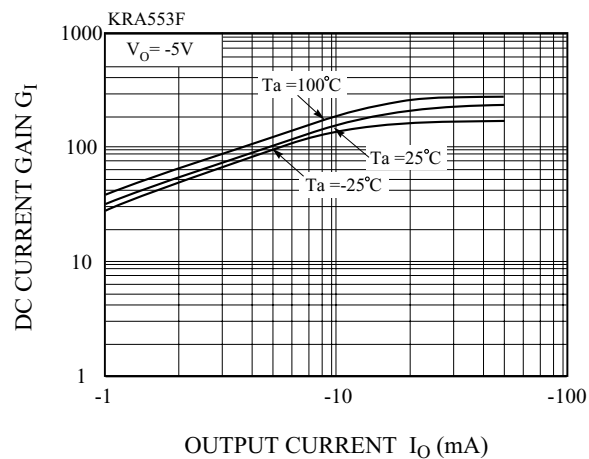
$I_O - V_{I(ON)}$



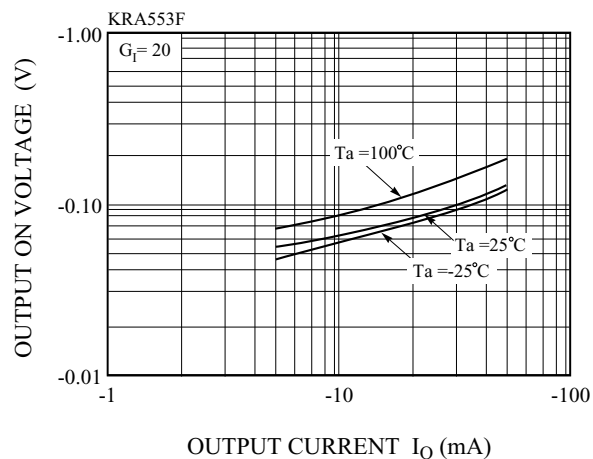
$I_O - V_{I(OFF)}$



$G_I - I_O$

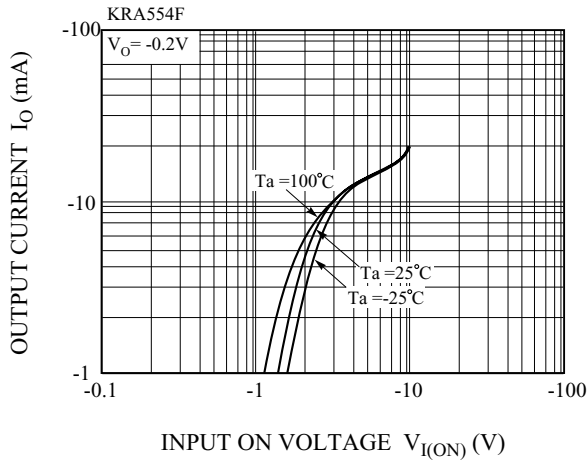


$V_{O(ON)} - I_O$

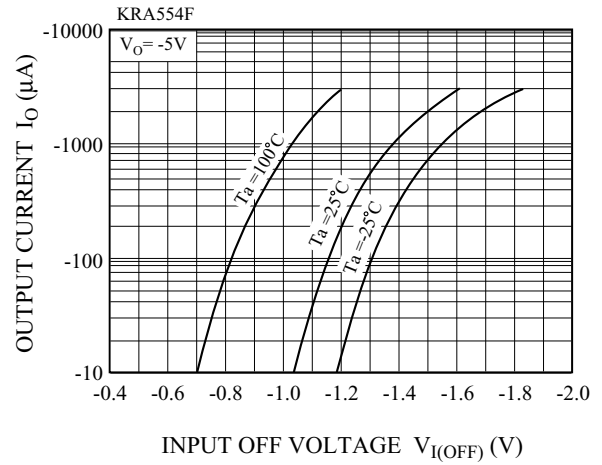


KRA551F~KRA554F

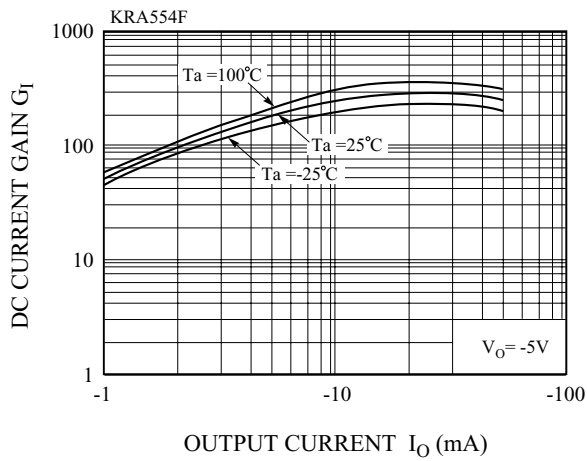
$I_O - V_{I(ON)}$



$I_O - V_{I(OFF)}$



$G_I - I_O$



$V_{O(ON)} - I_O$

