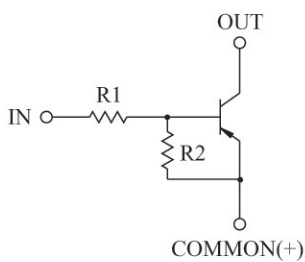


SWITCHING APPLICATION.
INTERFACE CIRCUIT AND DRIVER CIRCUIT APPLICATION.

FEATURES

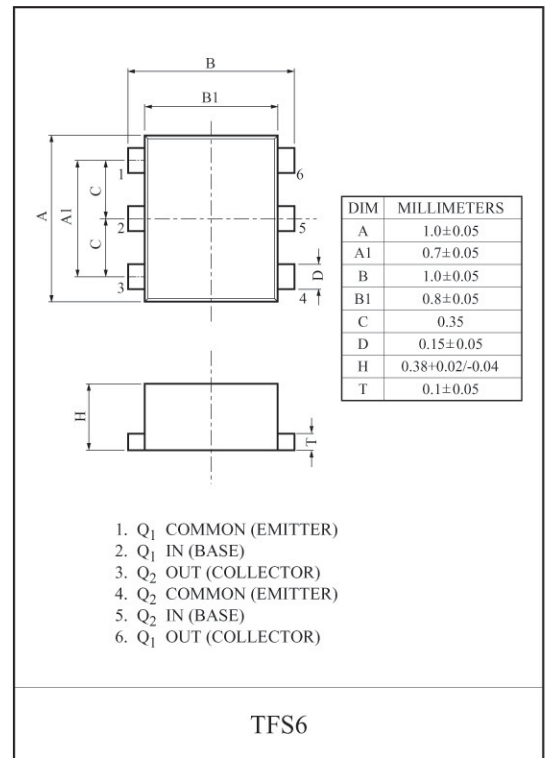
- With Built-in Bias Resistors.
- Simplify Circuit Design.
- Reduce a Quantity of Parts and Manufacturing Process.
- Thin Fine Pitch Super mini 6pin Package.

EQUIVALENT CIRCUIT

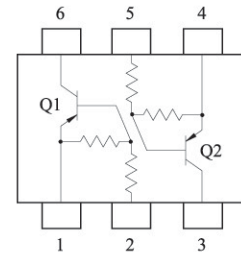


BIAS RESISTOR VALUES

TYPE NO.	R1(k Ω)	R2(k Ω)
KRA757F	10	47
KRA758F	22	47
KRA759F	47	22



EQUIVALENT CIRCUIT (TOP VIEW)



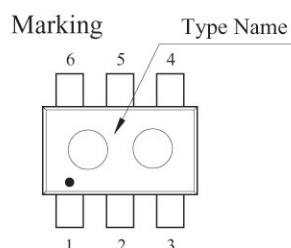
MAXIMUM RATING (Ta=25°C)

CHARACTERISTIC		SYMBOL	RATING	UNIT
Output Voltage	KRA757F~759F	V_O	-20	V
Input Voltage	KRA757F	V_I	-10/6	V
	KRA758F		-10/7	
	KRA759F		-10/15	
Output Current	KRA757F~759F	I_O	-50	mA
Power Dissipation		P_D^*	50	mW
Junction Temperature		T	150	°C
Storage Temperature Range		T_{stg}	55 ~ 150	°C

* Total Rating.

MARK SPEC

TYPE	KRA757F	KRA758F	KRA759F
MARK	KG	KH	KJ



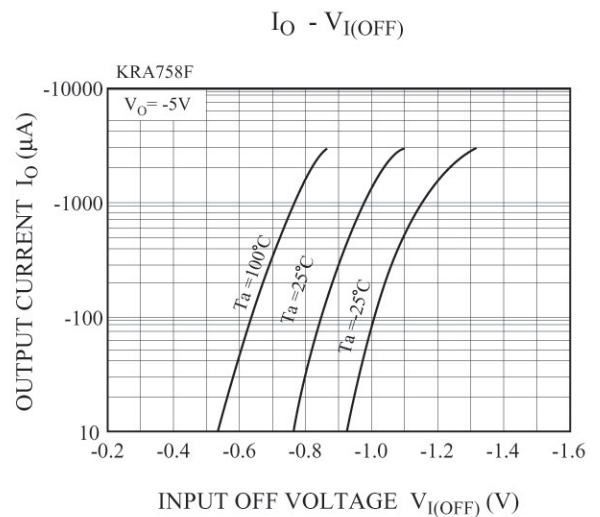
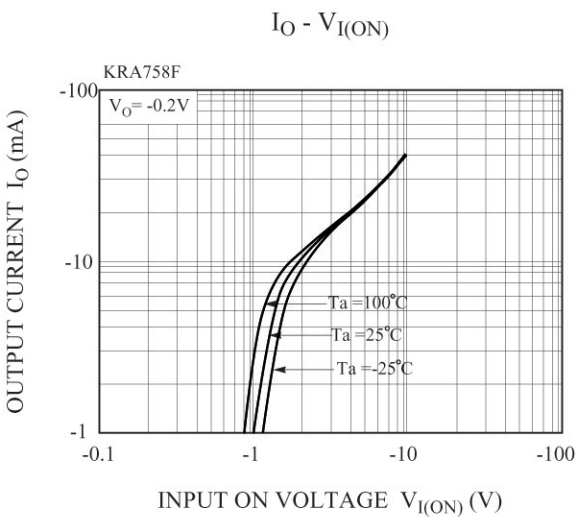
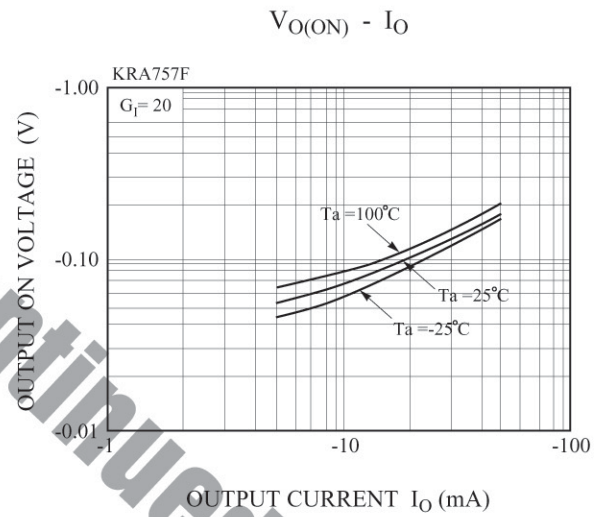
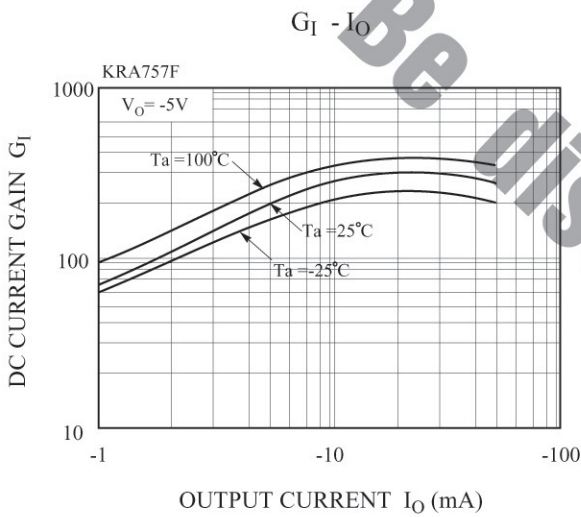
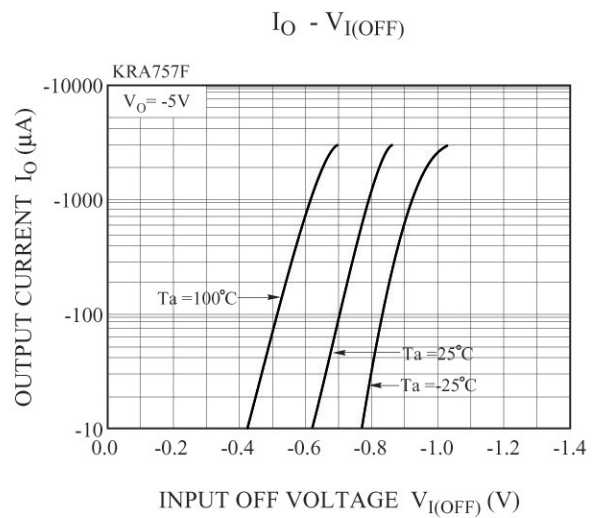
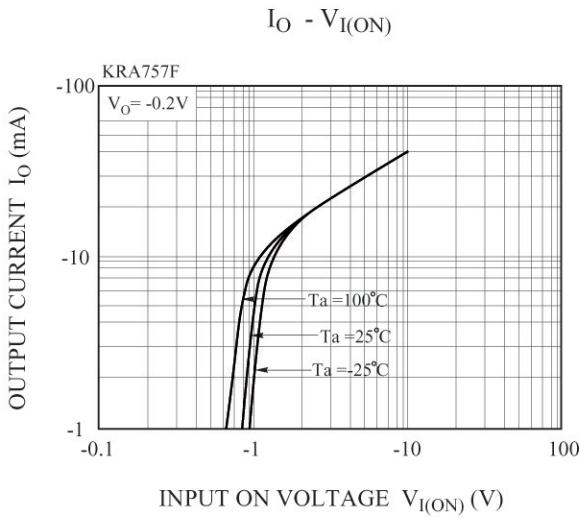
KRA757F~KRA759F

ELECTRICAL CHARACTERISTICS (Ta=25°C)

CHARACTERISTIC		SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Output Cut-off Current	KRA757F~759F	I_{CBO}	$V_O=-20V, V_I=0$	-	-	-500	nA
DC Current Gain	KRA757F	G_I	$V_O=-5V, I_O=-10mA$	120	-	-	
	KRA758F			120	-	-	
	KRA759F			100	-	-	
Output Voltage	KRA757F~759F	$V_{O(ON)}$	$I_O=-5mA, I_I=-0.25mA$	-	-	-0.15	V
Input Voltage (ON)	KRA757F	$V_{I(ON)}$	$V_O=-0.2V, I_O=-5mA$	-	-	-1.5	V
	KRA758F			-	-	-2.2	
	KRA759F			-	-	-5.0	
Input Voltage (OFF)	KRA757F	$V_{I(OFF)}$	$V_O=-5V, I_O=-0.1mA$	-0.5	-	-	V
	KRA758F			-0.6	-	-	
	KRA759F			-1.3	-	-	
Input Current	KRA757F	I_I	$V_I=-5V$	-	-	-0.88	mA
	KRA758F			-	-	-0.36	
	KRA759F			-	-	-0.16	
Input Resistor	KRA757F	R1	-	7	10	13	kΩ
	KRA758F			15.4	22	28.6	
	KRA759F			32.9	47	61.1	
Resistor Ratio	KRA757F	R2/R1	-	3.7	4.7	5.7	
	KRA758F			1.7	2.1	2.6	
	KRA759F			0.37	0.47	0.57	

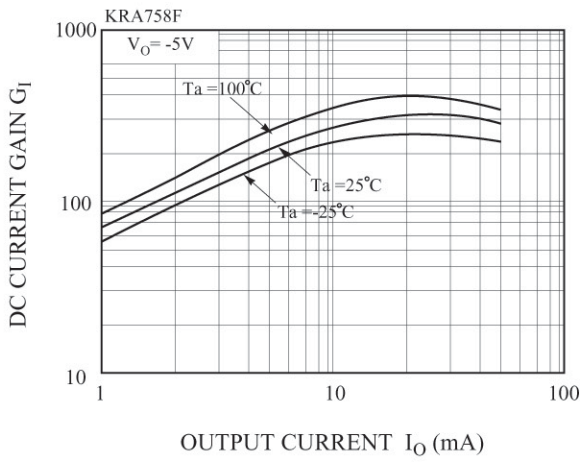
Discontinued

KRA727F~KRA729F

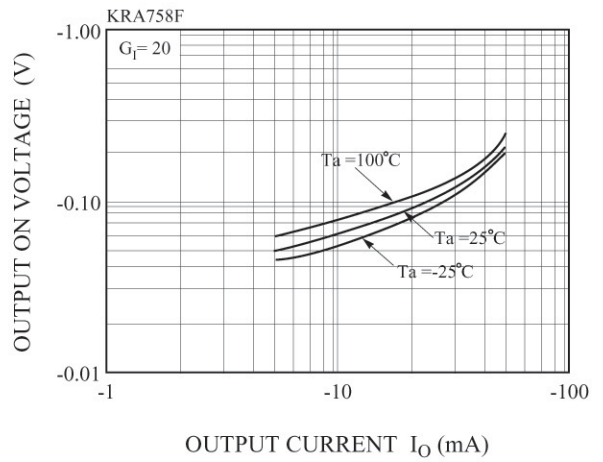


KRA727F~KRA729F

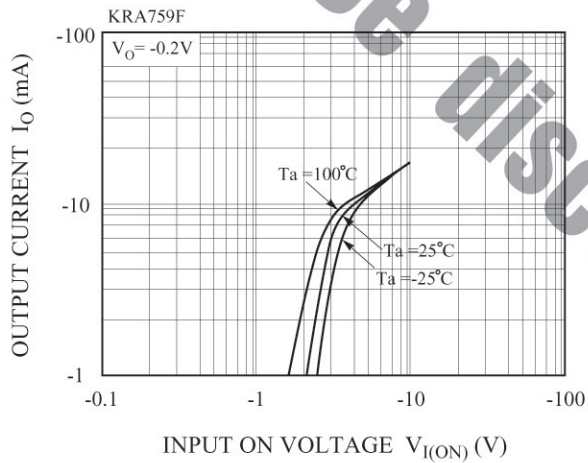
$G_I - I_O$



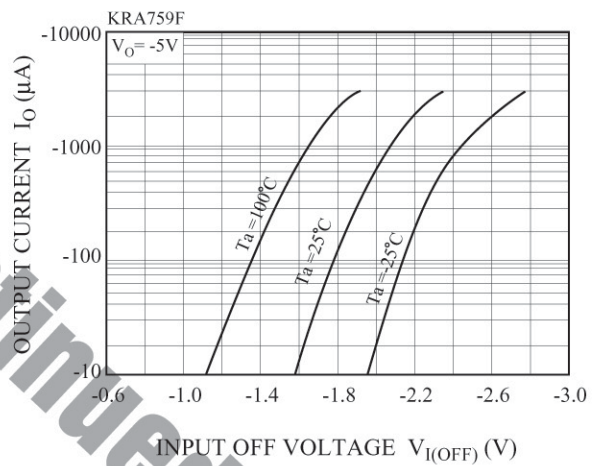
$V_{O(ON)} - I_O$



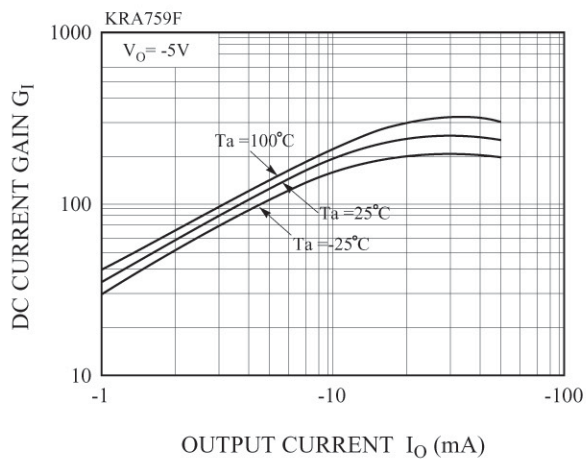
$I_O - V_{I(ON)}$



$I_O - V_{I(OFF)}$



$G_I - I_O$



$V_{O(ON)} - I_O$

