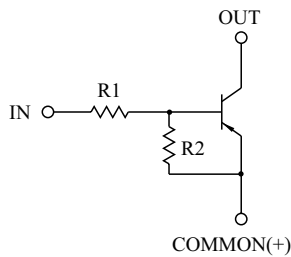


HIGH CURRENT SWITCHING APPLICATION.  
INTERFACE CIRCUIT AND DRIVER CIRCUIT APPPLICATION.

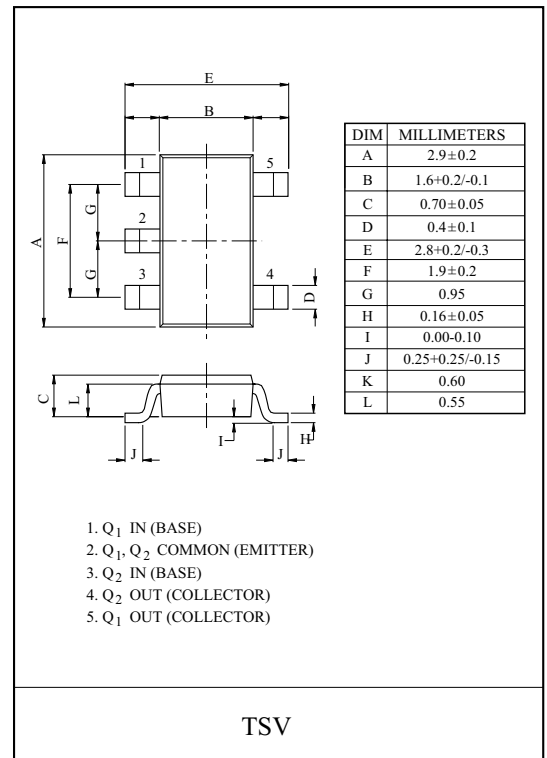
### FEATURES

- With Built-in Bias Resistors.
- Simplify Circuit Design.
- Reduce a Quantity of Parts and Manufacturing Process.
- High Output Current : -800mA.

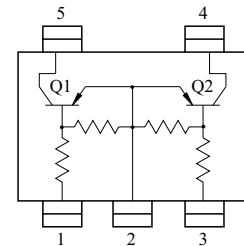
### EQUIVALENT CIRCUIT



TYPE NO.	R1 (k $\Omega$ )	R2 (k $\Omega$ )
KRA521T	1	1
KRA522T	2.2	2.2
KRA523T	4.7	4.7
KRA524T	10	10
KRA525T	1	10
KRA526T	2.2	10



### EQUIVALENT CIRCUIT (TOP VIEW)



### MAXIMUM RATING (Ta=25℃)

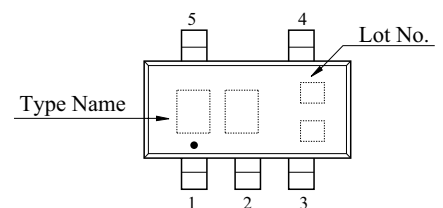
CHARACTERISTIC		SYMBOL	RATING	UNIT
Output Voltage	KRA521T~526T	V <sub>O</sub>	-50	V
Input Voltage	KRA521T	V <sub>I</sub>	-10, 10	V
	KRA522T		-12, 10	
	KRA523T		-20, 10	
	KRA524T		-30, 10	
	KRA525T		-10, 5	
	KRA526T		-12, 6	
Output Current	KRA521T~526T	I <sub>O</sub>	-800	mA
Power Dissipation		P <sub>D</sub> *	0.9	W
Junction Temperature		T <sub>j</sub>	150	℃
Storage Temperature Range		T <sub>stg</sub>	-55 ~ 150	℃

\* Package mounted on a ceramic board (600mm<sup>2</sup> × 0.8mm)

### MARK SPEC

TYPE	KRA521T	KRA522T	KRA523T	KRA524T	KRA525T	KRA526T
MARK	PA	PB	PC	PD	PE	PF

### Marking



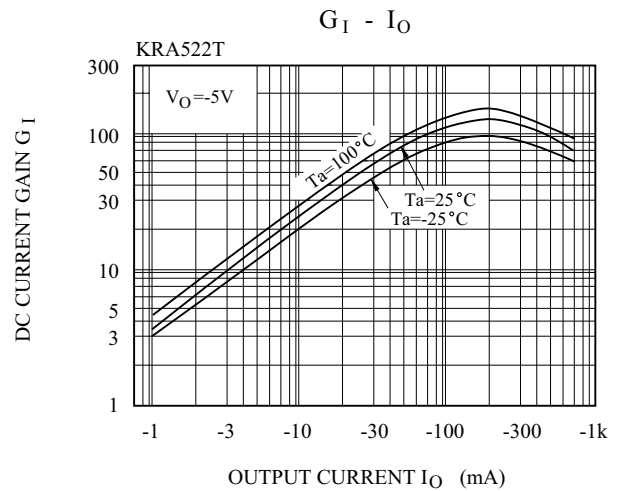
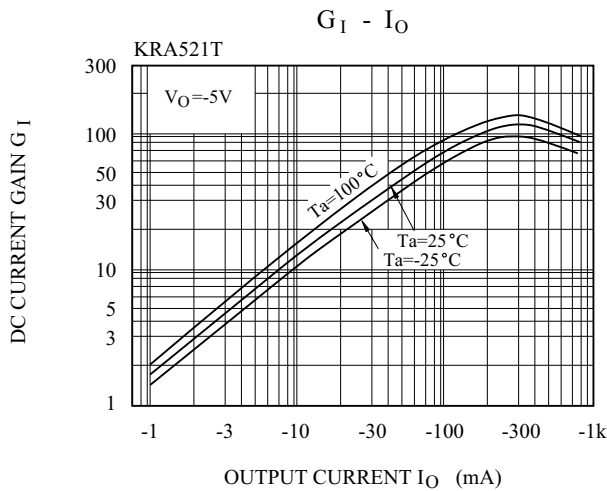
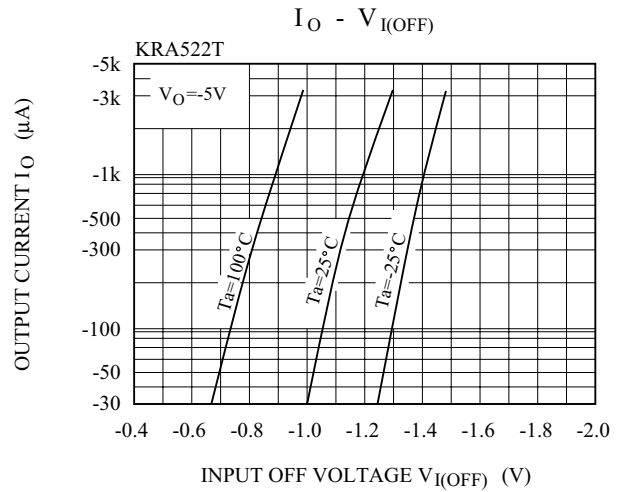
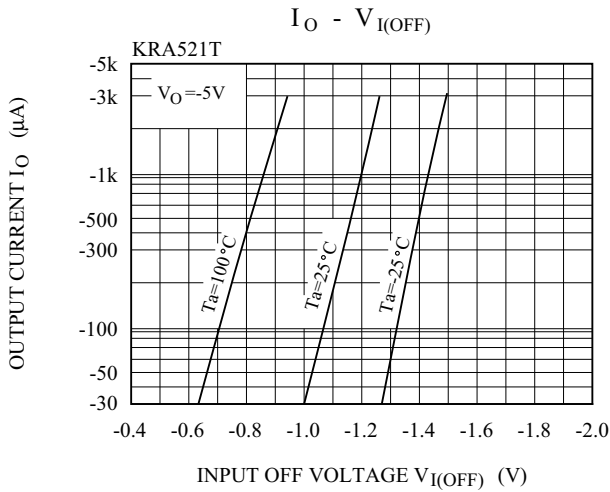
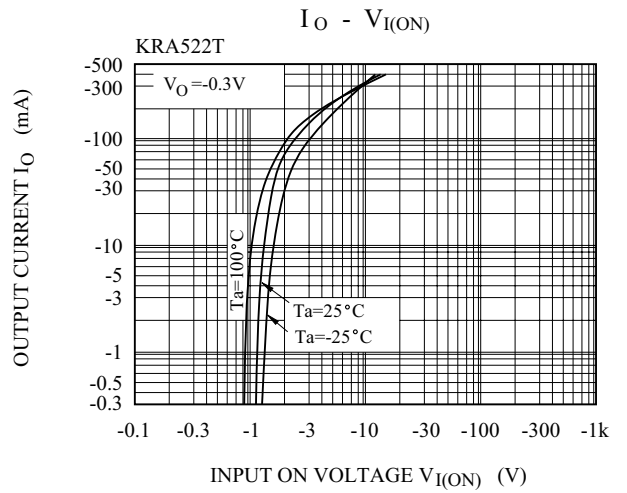
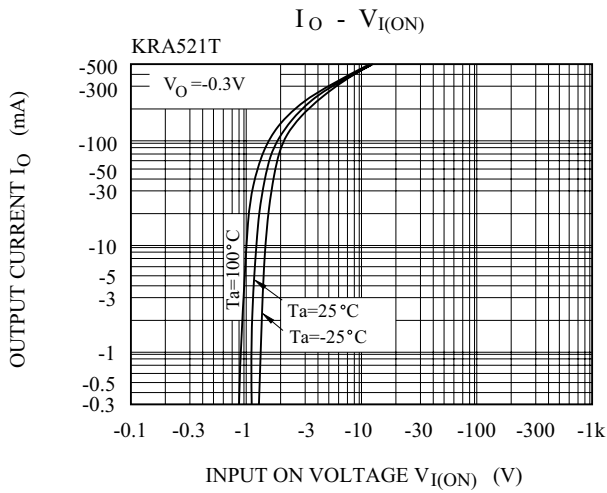
# KRA521T~KRA526T

## ELECTRICAL CHARACTERISTICS (Ta=25 °C)

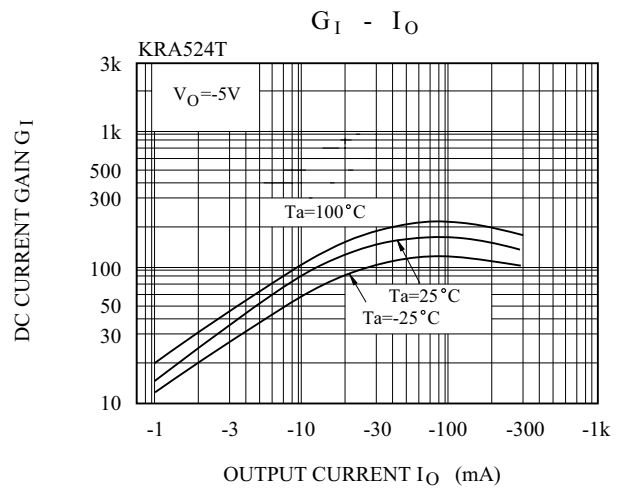
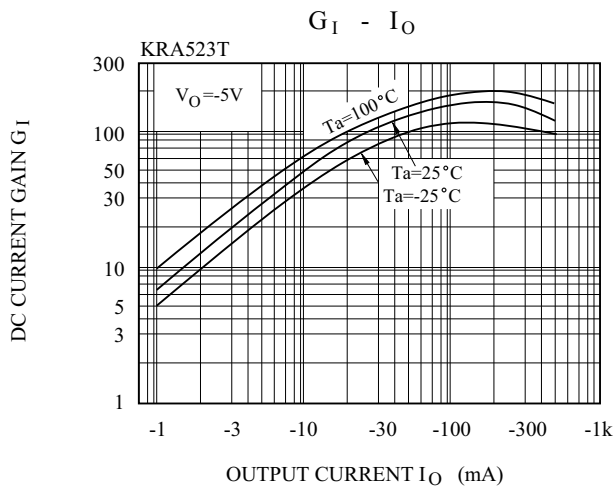
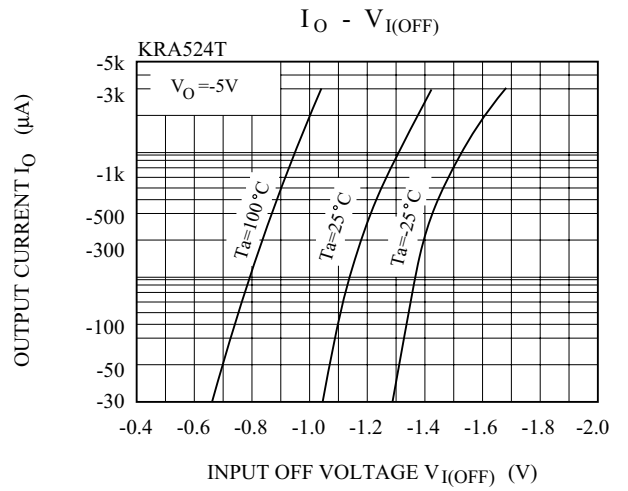
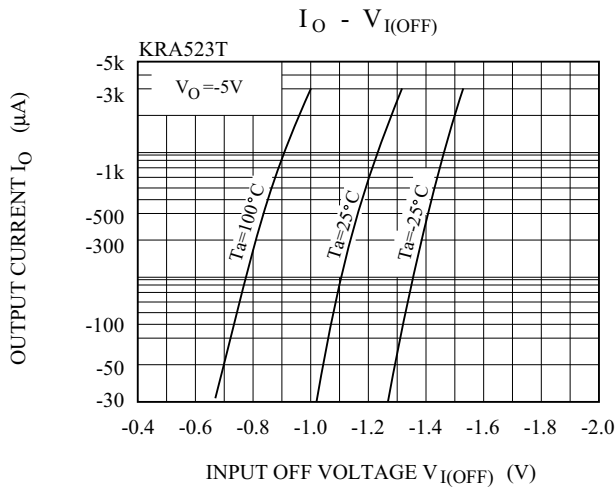
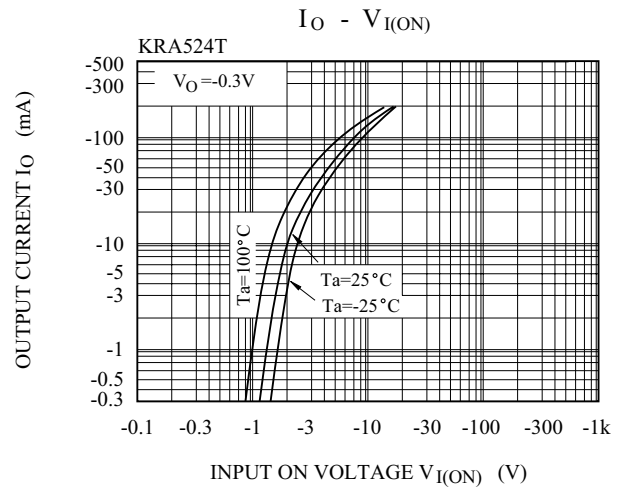
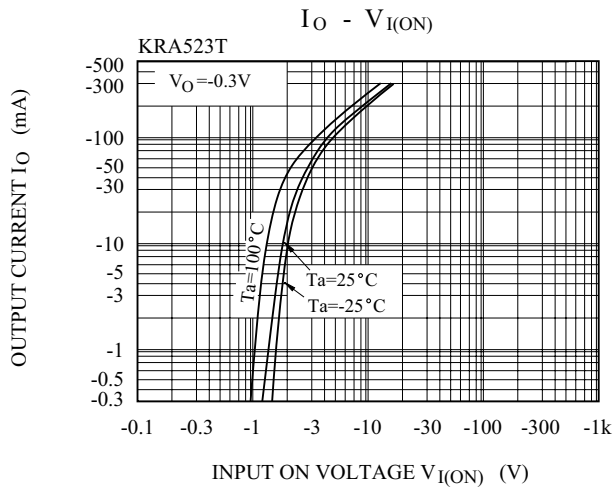
CHARACTERISTIC		SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Output Cut-off Current	KRA521T~526T	$I_{O(OFF)}$	$V_O = -30V, V_I = 0$	-	-	-10	$\mu A$
DC Current Gain	KRA521T	$G_I$	$V_O = -5V, I_O = -50mA$	33	-	-	
	KRA522T			39	-	-	
	KRA523T			47	-	-	
	KRA524T			56	-	-	
	KRA525T			56	-	-	
	KRA526T			56	-	-	
Output Voltage	KRA521T~526T	$V_{O(ON)}$	$I_O = -50mA, I_I = -2.5mA$	-	-0.1	-0.3	V
Input Voltage (ON)	KRA521T	$V_{I(ON)}$	$V_O = -0.3V, I_O = -20mA$	-	-	-3.0	V
	KRA522T			-	-	-3.0	
	KRA523T			-	-	-3.0	
	KRA524T			-	-	-3.0	
	KRA525T			-	-	-3.0	
	KRA526T			-	-	-2.0	
Input Voltage (OFF)	KRA521T~524T	$V_{I(OFF)}$	$V_O = -5V, I_O = -0.1mA$	-0.5	-	-	V
	KRA525T~526T			-0.3	-	-	
Transition Frequency	KRA521T~526T	$f_T^*$	$V_O = -10V, I_O = -5mA, f = 100MHz$	-	200	-	MHz
Input Current	KRA521T	$I_I$	$V_I = -5V$	-	-	-7.2	mA
	KRA522T			-	-	-3.8	
	KRA523T			-	-	-1.8	
	KRA524T			-	-	-0.88	
	KRA525T			-	-	-7.2	
	KRA526T			-	-	-3.6	

Note : \* Characteristic of Transistor Only.

# KRA521T~KRA526T



# KRA521T~KRA526T



# KRA521T~KRA526T

