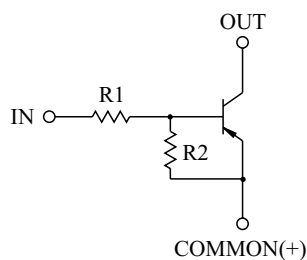


HIGH CURRENT SWITCHING APPLICATION.
INTERFACE CIRCUIT AND DRIVER CIRCUIT APPPLICATION.

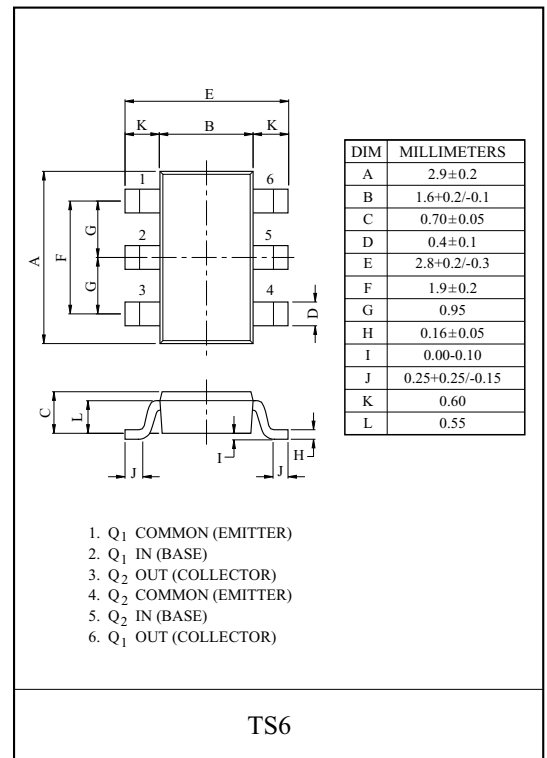
FEATURES

- With Built-in Bias Resistors.
- Simplify Circuit Design.
- Reduce a Quantity of Parts and Manufacturing Process.
- High Output Current : -800mA.
- Suffix U : Qualified to AEC-Q101.
ex) KRA722T-RTK/HU

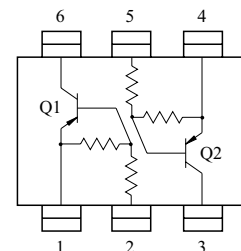
EQUIVALENT CIRCUIT



TYPE NO.	R1 (kΩ)	R2 (kΩ)
KRA721T	1	1
KRA722T	2.2	2.2
KRA723T	4.7	4.7
KRA724T	10	10
KRA725T	1	10
KRA726T	2.2	10



EQUIVALENT CIRCUIT (TOP VIEW)



MAXIMUM RATING (Ta=25°C)

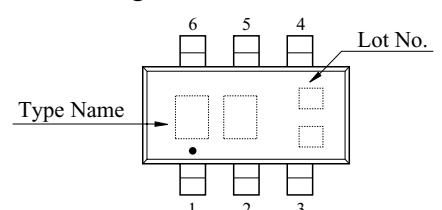
CHARACTERISTIC		SYMBOL	RATING	UNIT
Output Voltage	KRA721T~726T	V _O	-50	V
Input Voltage	KRA721T	V _I	-10, 10	V
	KRA722T		-12, 10	
	KRA723T		-20, 10	
	KRA724T		-30, 10	
	KRA725T		-10, 5	
	KRA726T		-12, 6	
Output Current	KRA721T~726T	I _O	-800	mA
Power Dissipation		P _D *	0.9	W
Junction Temperature		T _j	-55~150	°C
Storage Temperature Range		T _{stg}	-55~150	°C

* Package mounted on a ceramic board (600mm² × 0.8mm)

MARK SPEC

TYPE	KRA721T	KRA722T	KRA723T	KRA724T	KRA725T	KRA726T
MARK	PA	PB	PC	PD	PE	PF

Marking



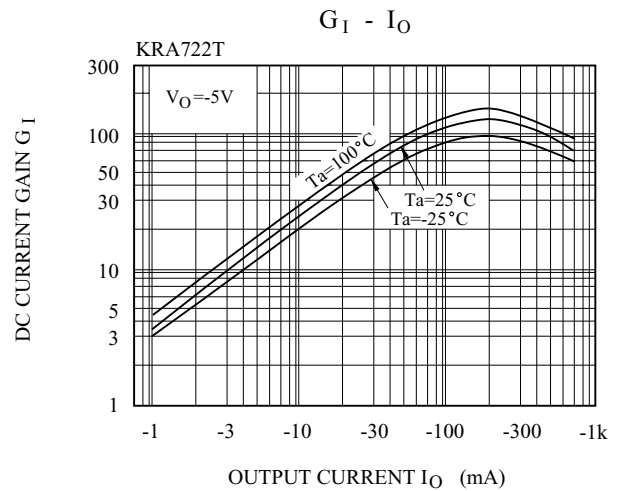
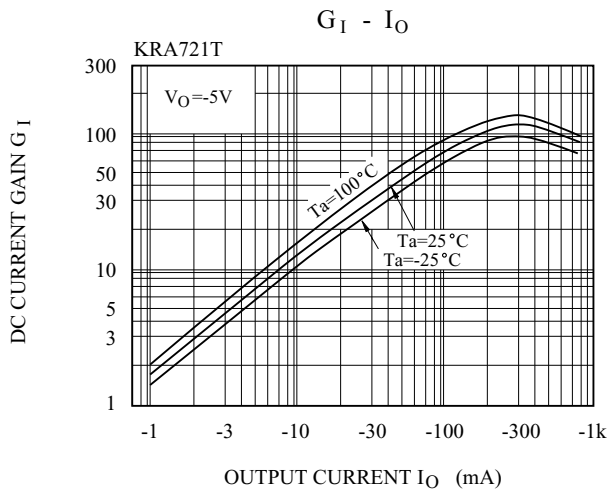
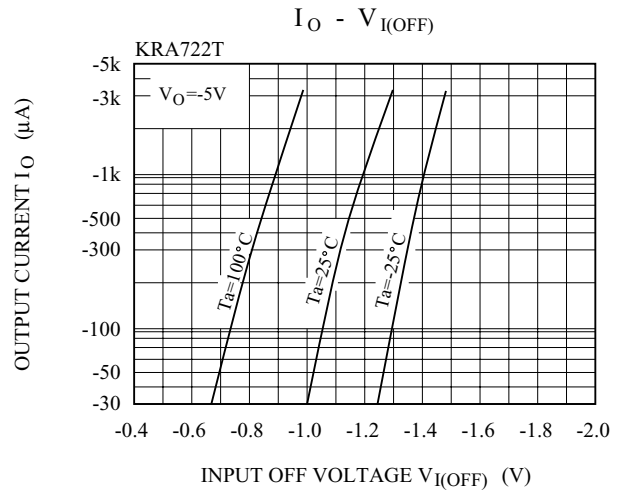
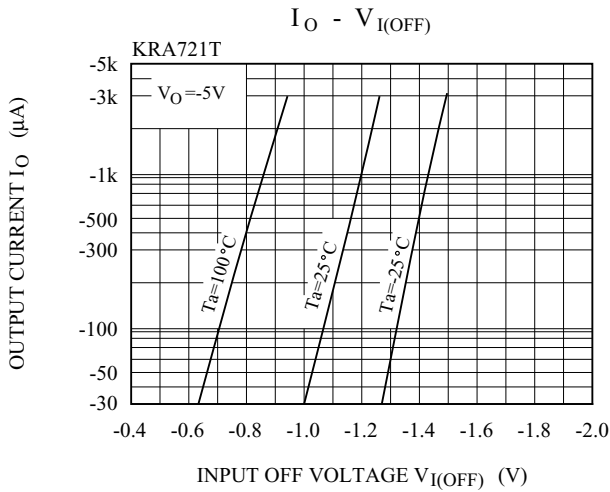
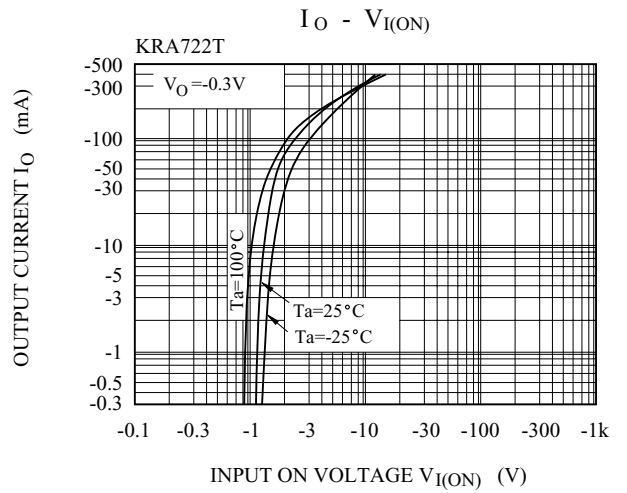
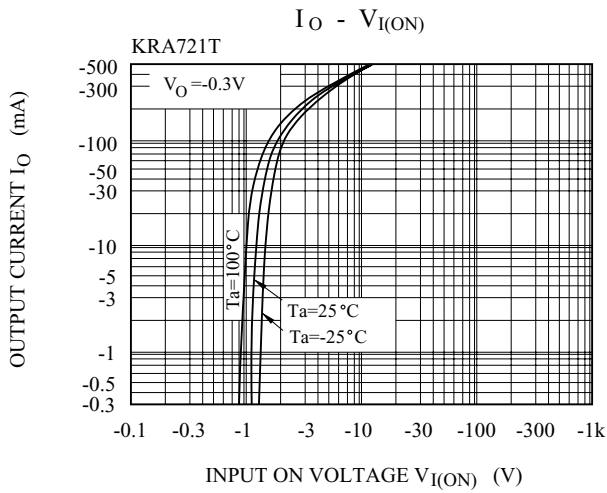
KRA721T~KRA726T

ELECTRICAL CHARACTERISTICS (Ta=25°C)

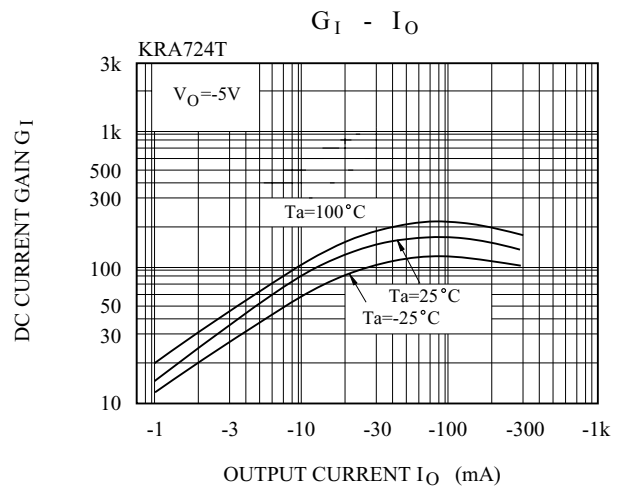
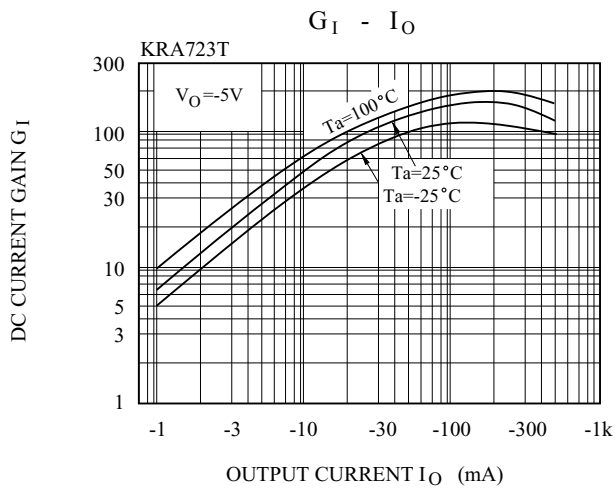
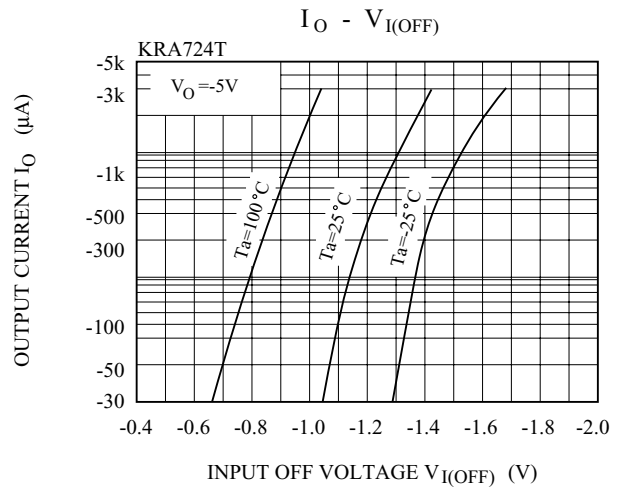
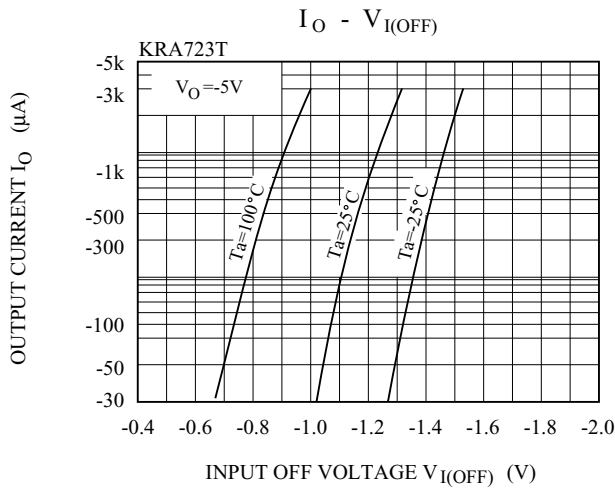
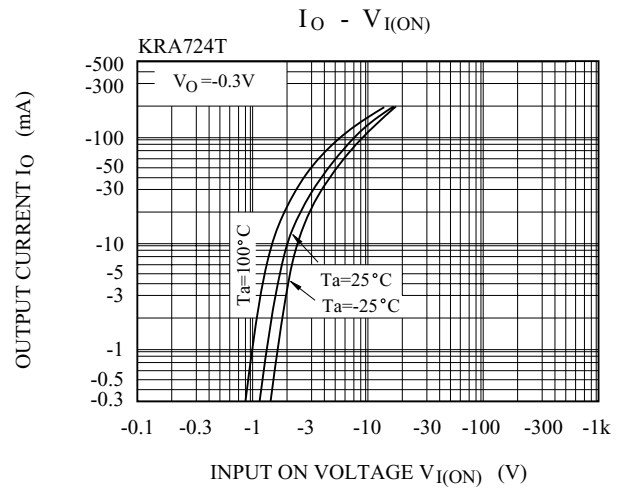
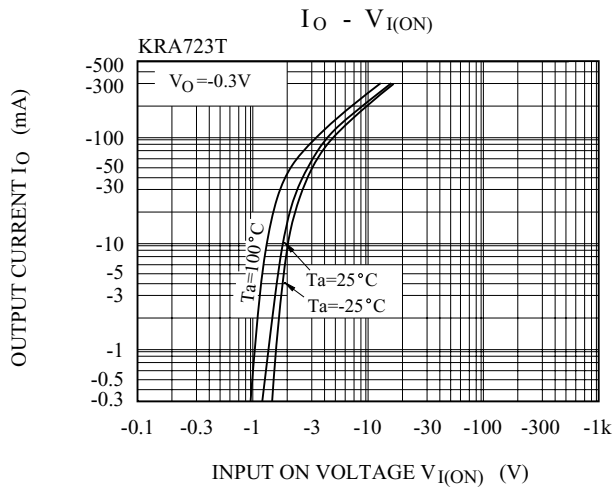
CHARACTERISTIC		SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Output Cut-off Current	KRA721T~726T	$I_{O(OFF)}$	$V_O=-30V, V_I=0$	-	-	-10	μA
DC Current Gain	KRA721T	G_I	$V_O=-5V, I_O=-50mA$	33	-	-	
	KRA722T			39	-	-	
	KRA723T			47	-	-	
	KRA724T			56	-	-	
	KRA725T			56	-	-	
	KRA726T			56	-	-	
Output Voltage	KRA721T~726T	$V_{O(ON)}$	$I_O=-50mA, I_I=-2.5mA$	-	-0.1	-0.3	V
Input Voltage (ON)	KRA721T	$V_{I(ON)}$	$V_O=-0.3V, I_O=-20mA$	-	-	-3.0	V
	KRA722T			-	-	-3.0	
	KRA723T			-	-	-3.0	
	KRA724T			-	-	-3.0	
	KRA725T			-	-	-3.0	
	KRA726T			-	-	-2.0	
Input Voltage (OFF)	KRA721T~724T	$V_{I(OFF)}$	$V_O=-5V, I_O=-0.1mA$	-0.5	-	-	V
	KRA725T~726T			-0.3	-	-	
Transition Frequency	KRA721T~726T	f_T^*	$V_O=-10V, I_O=-5mA, f=100MHz$	-	200	-	MHz
Input Current	KRA721T	I_I	$V_I=-5V$	-	-	-7.2	mA
	KRA722T			-	-	-3.8	
	KRA723T			-	-	-1.8	
	KRA724T			-	-	-0.88	
	KRA725T			-	-	-7.2	
	KRA726T			-	-	-3.6	
Input Resistor	KRA721T	R1	-	3.29	4.7	6.11	k Ω
	KRA722T			7	10	13	
	KRA723T			15.4	22	28.6	
	KRA724T			32.9	47	61.1	
	KRA725T			1.54	2.2	2.86	
	KRA726T			3.29	4.7	6.11	
Resistor Ratio	KRA721T~724T	R2/R1	-	0.8	1.0	1.2	
	KRA725T			8	10	12	
	KRA726T			3.6	4.5	5.5	

Note : * Characteristic of Transistor Only.

KRA721T~KRA726T



KRA721T~KRA726T



KRA721T~KRA726T

