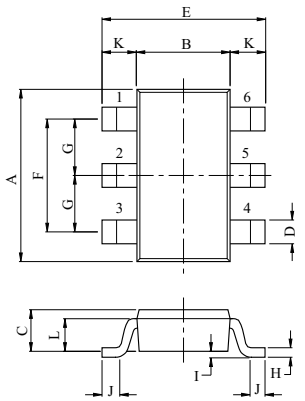
KRA721T~KRA726T

EPITAXIAL PLANAR PNP TRANSISTOR

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.

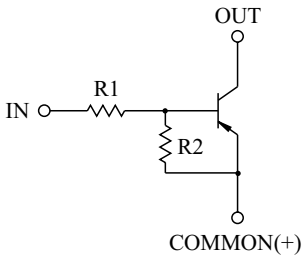


DIM	MILLIMETERS
A	2.9±0.2
B	1.6+0.2/-0.1
C	0.70±0.05
D	0.4±0.1
E	2.8+0.2/-0.3
F	1.9±0.2
G	0.95
H	0.16±0.05
I	0.00-0.10
J	0.25+0.25/-0.15
K	0.60
L	0.55

1. Q_1 COMMON (EMITTER)
2. Q_1 IN (BASE)
3. Q_2 OUT (COLLECTOR)
4. Q_2 COMMON (EMITTER)
5. Q_2 IN (BASE)
6. Q_1 OUT (COLLECTOR)

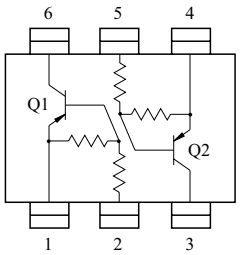
TS6

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℃)

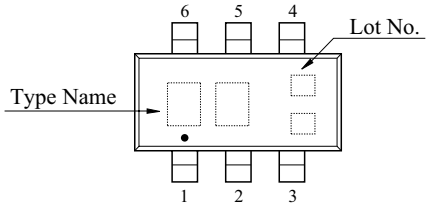
CHARACTERISTIC		SYMBOL	RATING	UNIT
Output Voltage	KRA721T~726T	V_O	-50	V
Input Voltage	KRA721T	V_I	-10, 10	V
	KRA722T		-12, 10	
	KRA723T		-20, 10	
	KRA724T		-30, 10	
	KRA725T		-10, 5	
	KRA726T		-12, 6	
Output Current	KRA721T~726T	I_O	-800	mA
Power Dissipation		P_D *	0.9	W
Junction Temperature		T_j	150	℃
Storage Temperature Range		T_{stg}	-55 ~ 150	℃

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

MARK SPEC

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

Marking

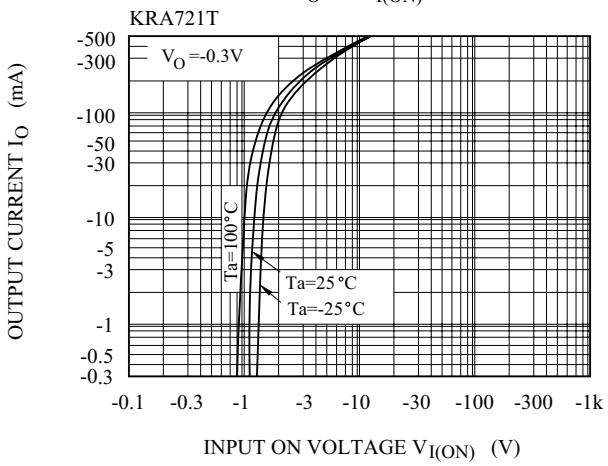


ELECTRICAL CHARACTERISTICS (Ta=25℃)

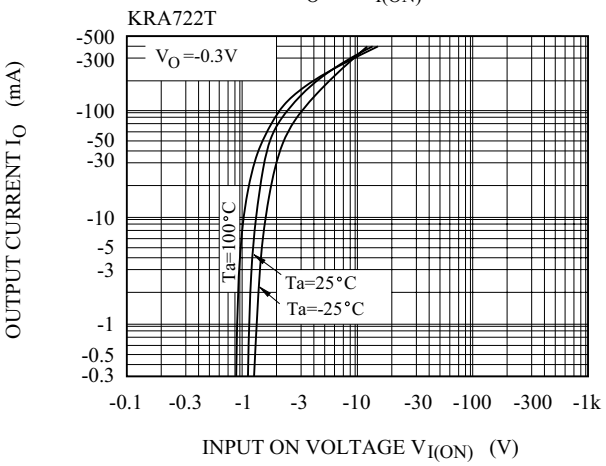
CHARACTERISTIC		SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Output Cut-off Current	KRA721T~726T	$I_{O(OFF)}$	V_O=-30V, V_I=0	-	-	-10	μA
DC Current Gain	KRA721T	G_I	V_O=-5V, I_O=-50mA	33	-	-	
	KRA722T			39	-	-	
	KRA723T			47	-	-	
	KRA724T			56	-	-	
	KRA725T			56	-	-	
	KRA726T			56	-	-	
Output Voltage	KRA721T~726T	$V_{O(ON)}$	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	

Note : * Characteristic of Transistor Only.

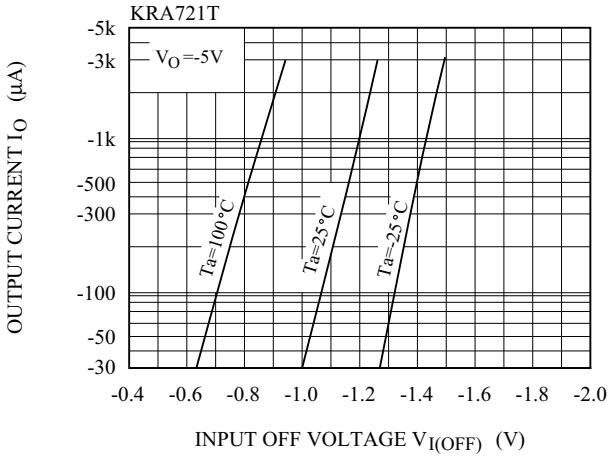
I_O - $V_{I(ON)}$



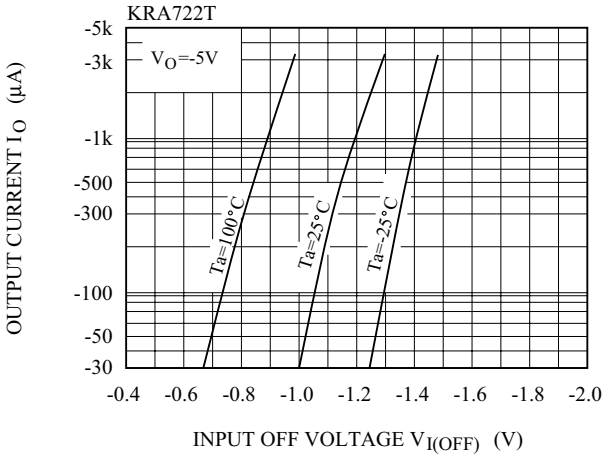
I_O - $V_{I(ON)}$



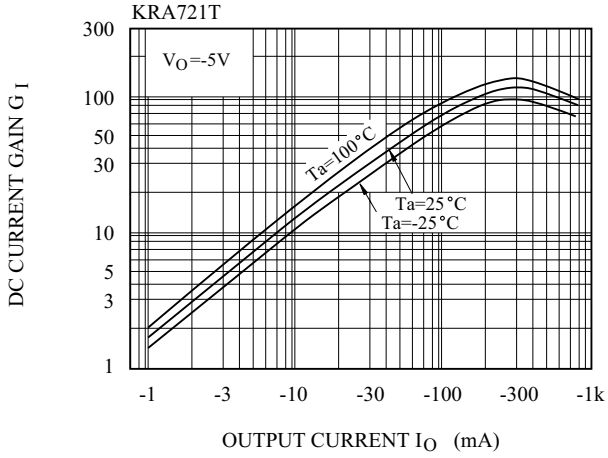
I_O - $V_{I(OFF)}$



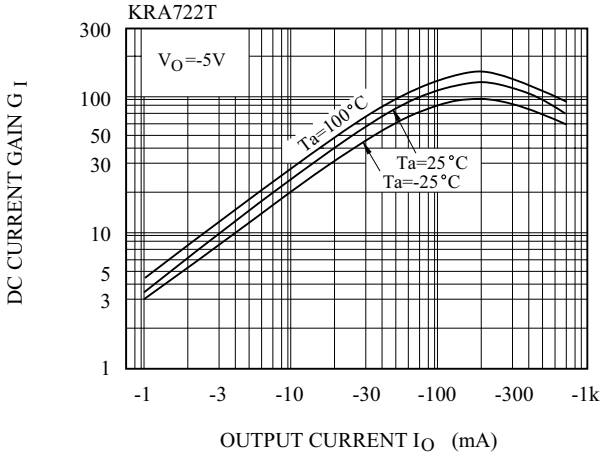
I_O - $V_{I(OFF)}$



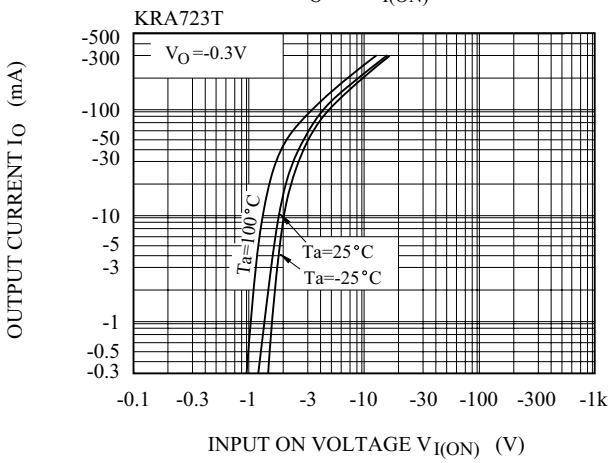
G_I - I_O



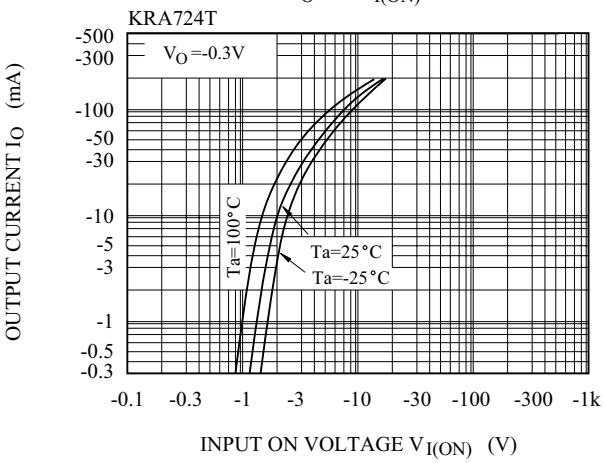
G_I - I_O



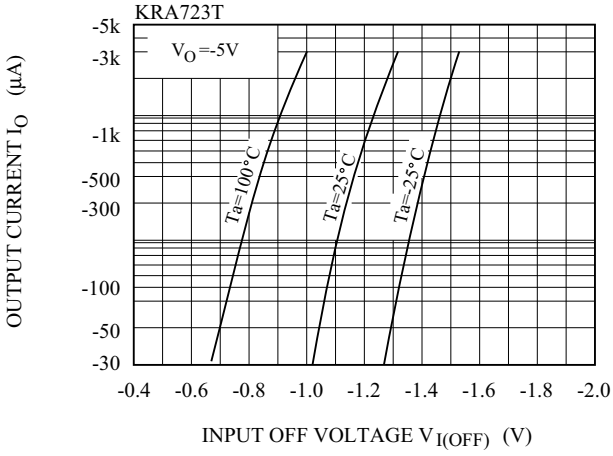
I_O - $V_{I(ON)}$



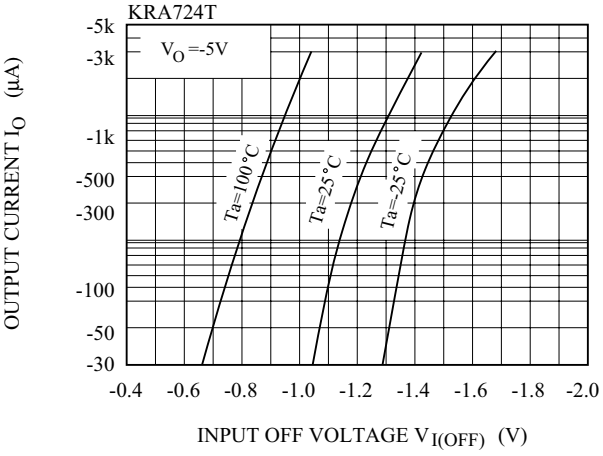
I_O - $V_{I(ON)}$



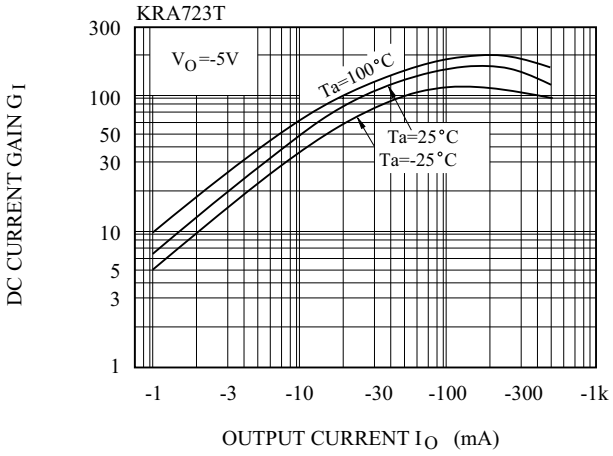
I_O - $V_{I(OFF)}$



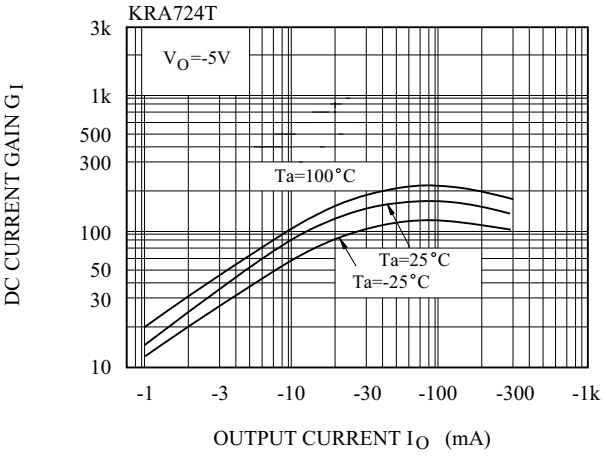
I_O - $V_{I(OFF)}$



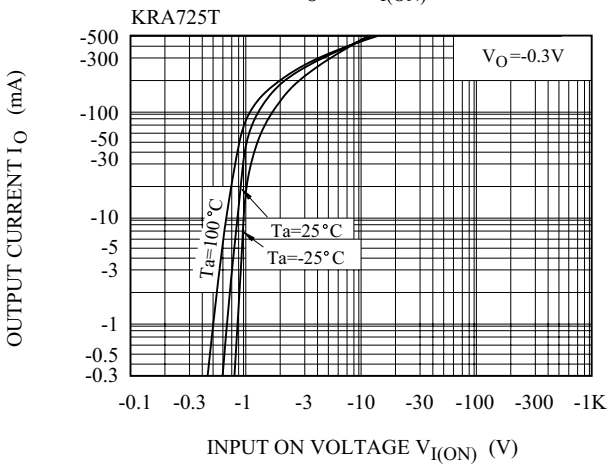
G_I - I_O



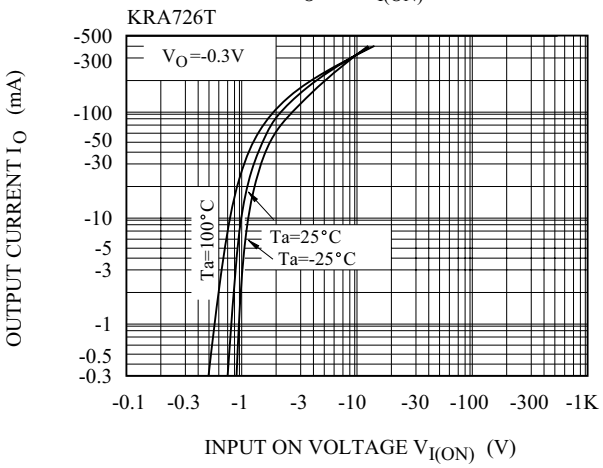
G_I - I_O



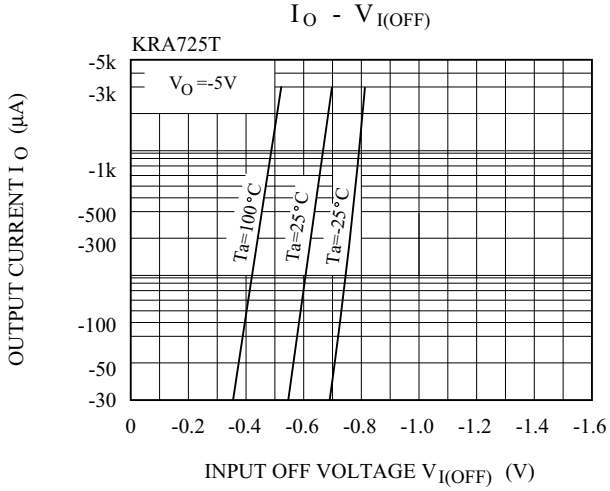
I_O - $V_{I(ON)}$



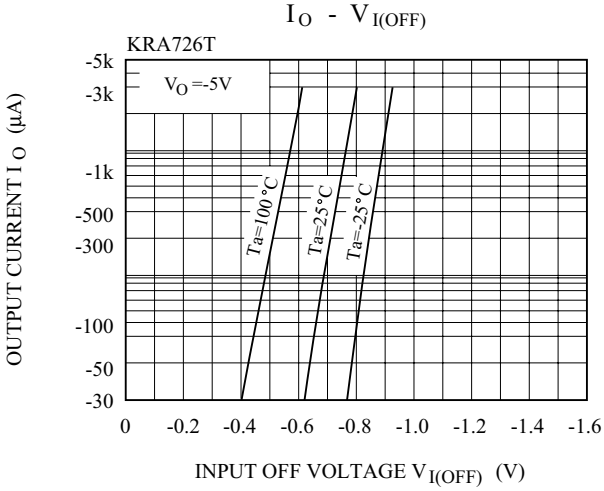
I_O - $V_{I(ON)}$



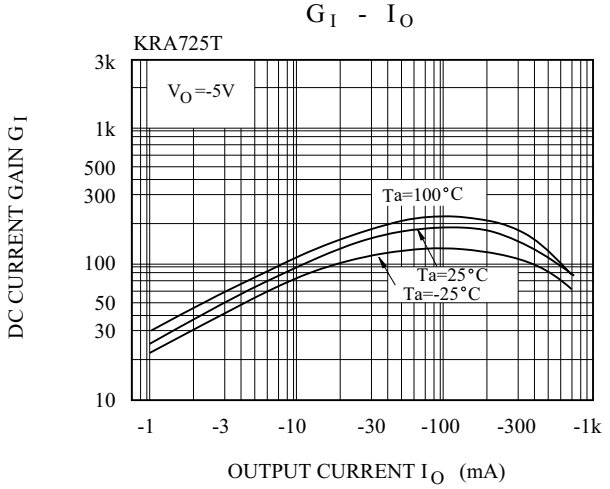
I_O - $V_{I(OFF)}$



I_O - $V_{I(OFF)}$



G_I - I_O



G_I - I_O

