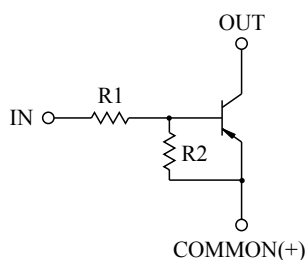


SWITCHING APPLICATION.
INTERFACE CIRCUIT AND DRIVER CIRCUIT APPLICATION.

FEATURES

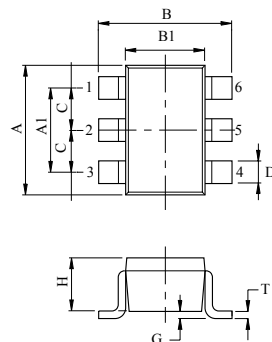
- With Built-in Bias Resistors
- Simplify Circuit Design
- Reduce a Quantity of Parts and Manufacturing Process
- High Packing Density.

EQUIVALENT CIRCUIT



BIAS RESISTOR VALUES

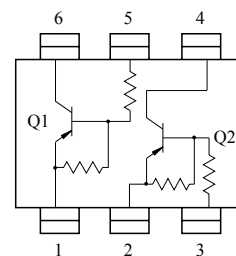
TYPE NO.	R1(k Ω)	R2(k Ω)
KRA727U	10	47
KRA728U	22	47
KRA729U	47	22



DIM	MILLIMETERS
A	2.00 $\pm$ 0.20
A1	1.3 $\pm$ 0.1
B	2.1 $\pm$ 0.1
B1	1.25 $\pm$ 0.1
C	0.65
D	0.2 $\pm$ 0.10/-0.05
G	0-0.1
H	0.9 $\pm$ 0.1
T	0.15 $\pm$ 0.1/-0.05

US6

EQUIVALENT CIRCUIT (TOP VIEW)



MAXIMUM RATING (Ta=25°C)

CHARACTERISTIC		SYMBOL	RATING	UNIT
Output Voltage	KRA727U ~ 729U	V _O	-50	V
Input Voltage	KRA727U	V _I	-30, 6	V
	KRA728U		-40, 7	
	KRA729U		-40, 15	
Output Current	KRA727U ~ 729U	I _O	-100	mA
Power Dissipation		P _D *	200	mW
Junction Temperature		T _j	150	°C
Storage Temperature Range		T _{stg}	-55 ~ 150	°C

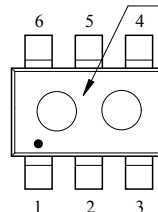
* Total Rating.

MARK SPEC

TYPE	KRA727U	KRA728U	KRA729U
MARK	JH	JI	JJ

Marking

Type Name



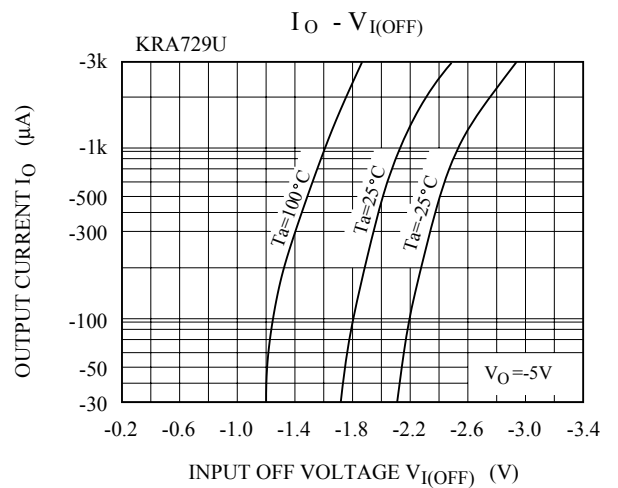
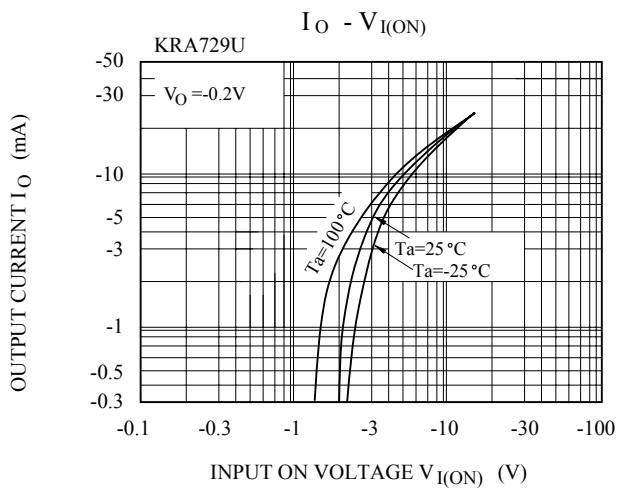
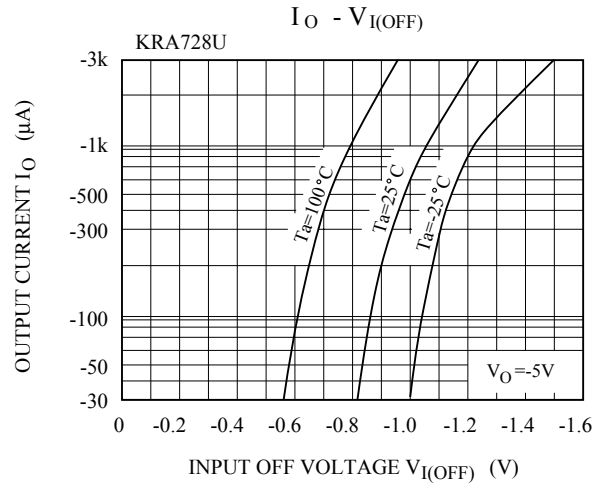
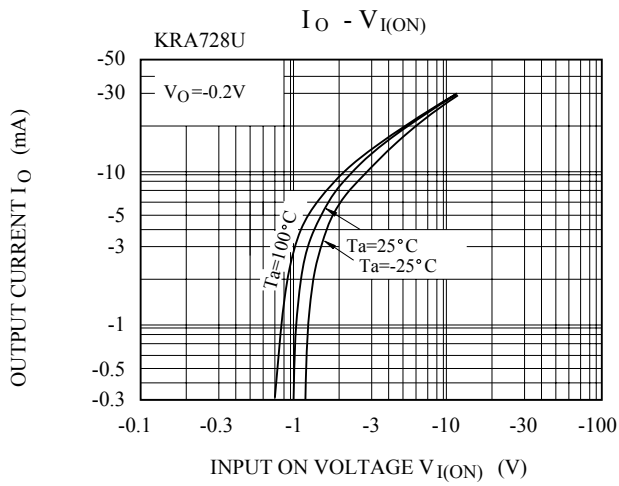
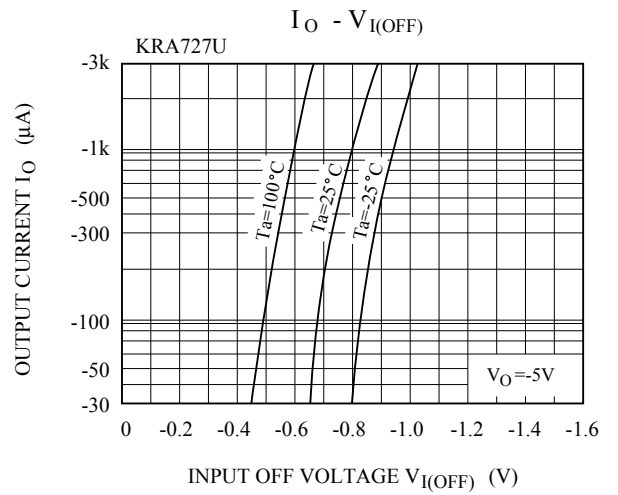
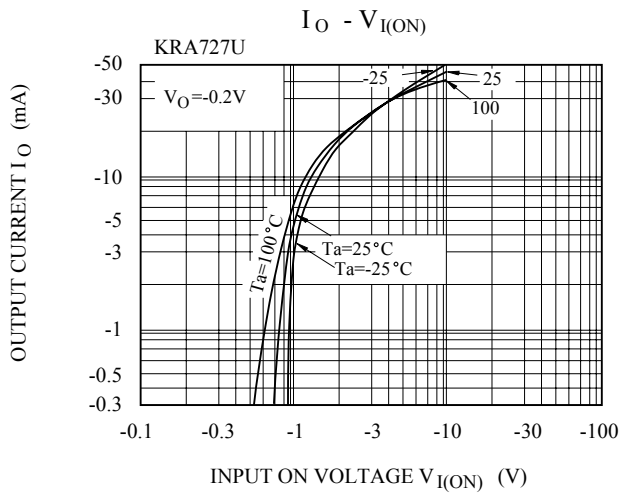
KRA727U~KRA729U

ELECTRICAL CHARACTERISTICS (Ta=25℃)

CHARACTERISTIC		SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT		
Output Cut-off Current		KRA727U ~ 729U	I _{O(OFF)}	V _O =-50V, V _I =0	-	-	-500	nA	
DC Current Gain	KRA727U	G _I	V _O =-5V, I _O =-10mA	80	150	-			
	KRA728U			80	150	-			
	KRA729U			70	140	-			
Output Voltage		KRA727U ~ 729U	V _{O(ON)}	I _O =-10mA, I _I =-0.5mA	-	-0.1	-0.3	V	
Input Voltage (ON)	KRA727U	V _{I(ON)}	V _O =-0.2V, I _O =-5mA	-	-1.2	-1.8	V		
	KRA728U			-	-1.8	-2.6			
	KRA729U			-	-3.0	-5.8			
Input Votlage (OFF)	KRA727U	V _{I(OFF)}	V _O =-5V, I _O =-0.1mA	-0.5	-0.75	-	V		
	KRA728U			-0.6	-0.88	-			
	KRA729U			-1.5	-1.82	-			
Transition Frequency		KRA727U ~ 729U	f _T *	V _O =-10V, I _O =-5mA	-	200	-	MHz	
Input Current		KRA727U	I _I	V _I =-5V	-	-	-0.88	mA	
		KRA728U			-	-	-0.36		
		KRA729U			-	-	-0.16		
Switching Time	Rise Time	KRA727U	t _r	V _O =-5V, V _{IN} =-5V R _L =1kΩ	-	0.07	-	μS	
		KRA728U			-	0.20	-		
		KRA729U			-	0.38	-		
	Storage Time	KRA727U			t _{stg}	-	1.1		-
		KRA728U				-	1.3		-
		KRA729U				-	0.7		-
	Fall Time	KRA727U			t _f	-	0.35		-
		KRA728U				-	0.4		-
		KRA729U				-	0.48		-

Note : * Characteristic of Transistor Only.

KRA727U~KRA729U



KRA727U~KRA729U

