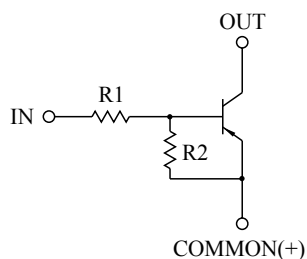


SWITCHING APPLICATION.
INTERFACE CIRCUIT AND DRIVER CIRCUIT APPLICATION.

FEATURES

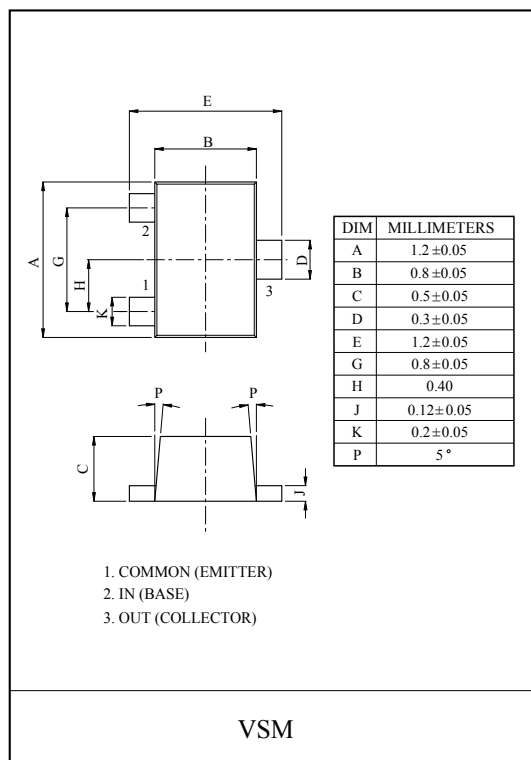
- With Built-in Bias Resistors
- Simplify Circuit Design
- Reduce a Quantity of Parts and Manufacturing Process
- High Packing Density.

EQUIVALENT CIRCUIT



BIAS RESISTOR VALUES

TYPE NO.	R1(k Ω)	R2(k Ω)
KRA307V	10	47
KRA308V	22	47
KRA309V	47	22

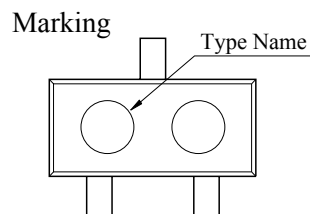


MAXIMUM RATING (Ta=25℃)

CHARACTERISTIC		SYMBOL	RATING	UNIT
Output Voltage	KRA307V ~ 309V	V _O	-50	V
Input Voltage	KRA307V	V _I	-30, 6	V
	KRA308V		-40, 7	
	KRA309V		-40, 15	
Output Current	KRA307V ~ 309V	I _O	-100	mA
Power Dissipation		P _D	100	mW
Junction Temperature		T _j	150	℃
Storage Temperature Range		T _{stg}	-55 ~ 150	℃

MARK SPEC

TYPE	KRA307V	KRA308V	KRA309V
MARK	PH	PI	PJ



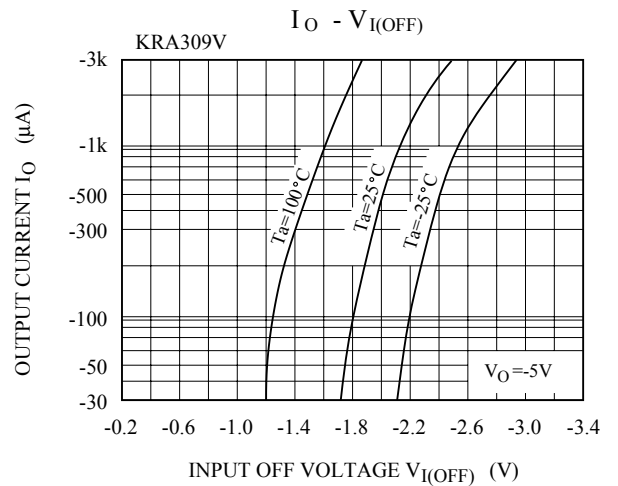
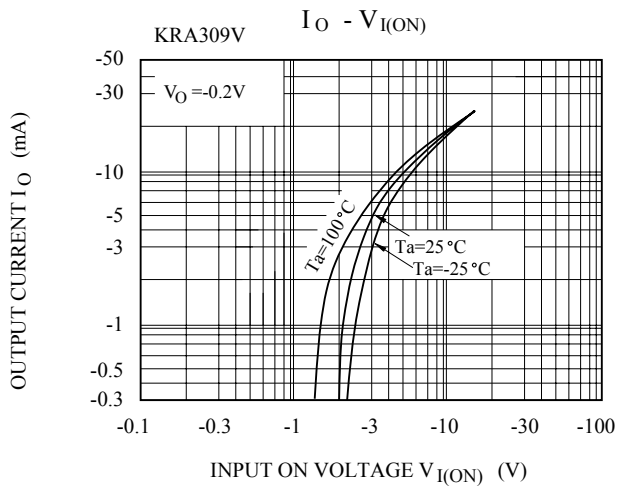
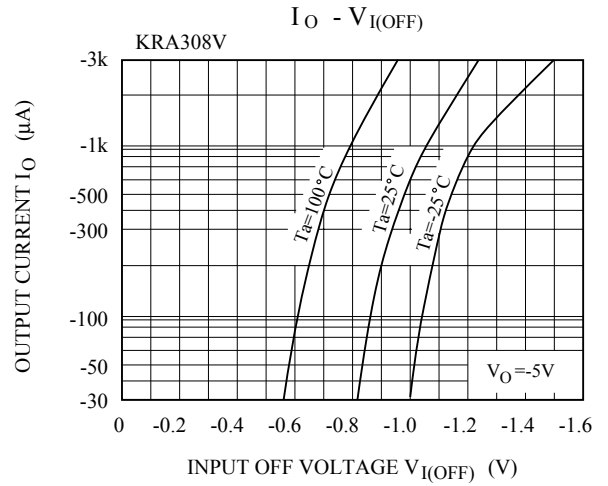
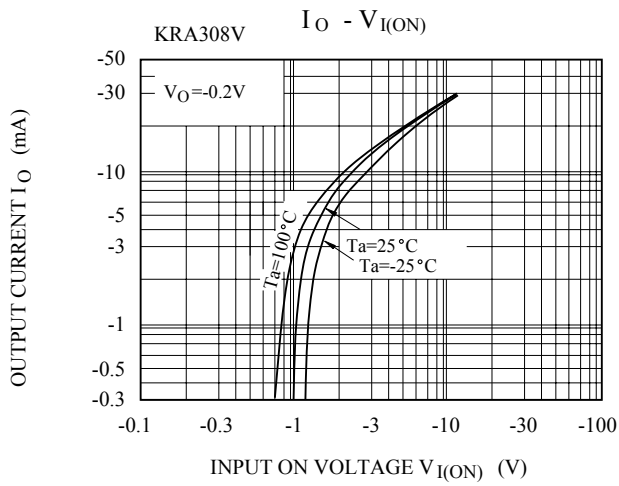
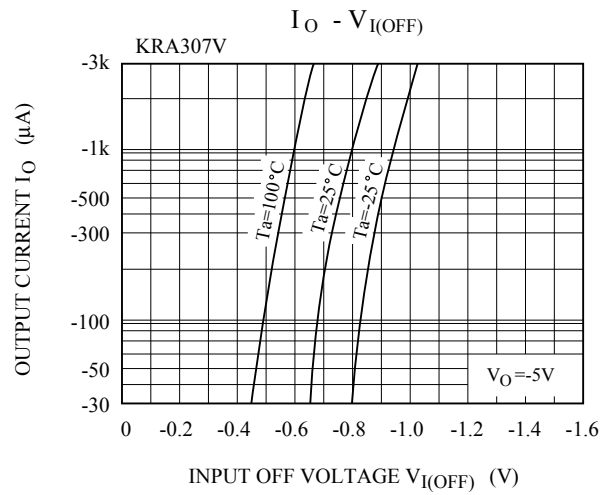
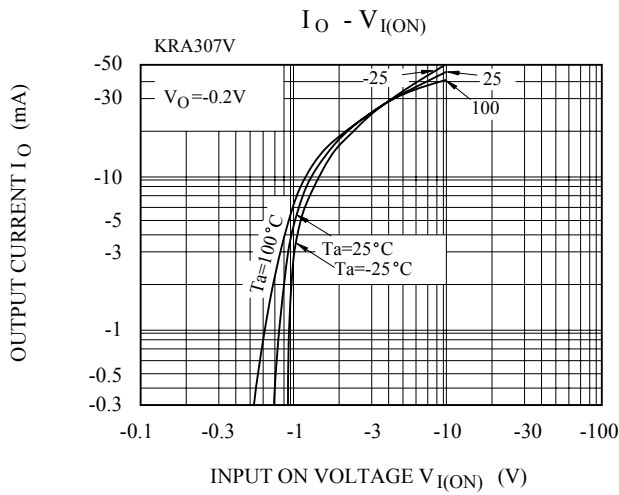
KRA307V~KRA309V

ELECTRICAL CHARACTERISTICS (Ta=25℃)

CHARACTERISTIC		SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT		
Output Cut-off Current		KRA307V ~ 309V	I _{O(OFF)}	V _O =-50V, V _I =0	-	-	-500	nA	
DC Current Gain	KRA307V	G _I	V _O =-5V, I _O =-10mA	80	150	-			
	KRA308V			80	150	-			
	KRA309V			70	140	-			
Output Voltage		KRA307V ~ 309V	V _{O(ON)}	I _O =-10mA, I _I =-0.5mA	-	-0.1	-0.3	V	
Input Voltage (ON)	KRA307V	V _{I(ON)}	V _O =-0.2V, I _O =-5mA	-	-1.2	-1.8	V		
	KRA308V			-	-1.8	-2.6			
	KRA309V			-	-3.0	-5.8			
Input Votlage (OFF)	KRA307V	V _{I(OFF)}	V _O =-5V, I _O =-0.1mA	-0.5	-0.75	-	V		
	KRA308V			-0.6	-0.88	-			
	KRA309V			-1.5	-1.82	-			
Transition Frequency		KRA307V ~ 309V	f _T *	V _O =-10V, I _O =-5mA	-	200	-	MHz	
Input Current	KRA307V	I _I	V _I =-5V	-	-	-0.88	mA		
	KRA308V			-	-	-0.36			
	KRA309V			-	-	-0.16			
Switching Time	Rise Time	KRA307V	t _r	V _O =-5V, V _{IN} =-5V R _L =1k Ω	-	0.07	-	μS	
		KRA308V			-	0.20	-		
		KRA309V			-	0.38	-		
	Storage Time	KRA307V			t _{stg}	-	1.1		-
		KRA308V				-	1.3		-
		KRA309V				-	0.7		-
	Fall Time	KRA307V			t _f	-	0.35		-
		KRA308V				-	0.4		-
		KRA309V				-	0.48		-

Note : * Characteristic of Transistor Only.

KRA307V~KRA309V



KRA307V~KRA309V

