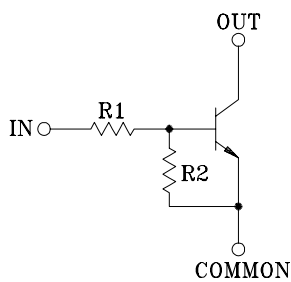


HIGH CURRENT SWITCHING APPLICATION.  
INTERFACE CIRCUIT AND DRIVER CIRCUIT APPLICATION.

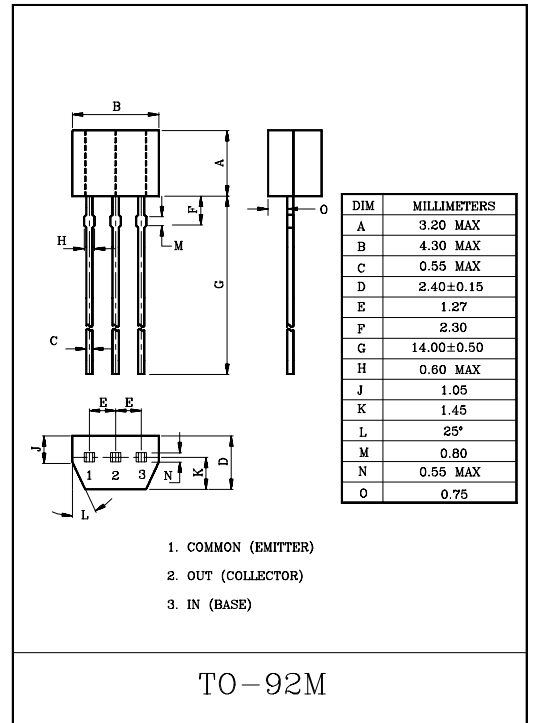
#### FEATURES

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

#### EQUIVALENT CIRCUIT



TYPE NO.	R1(k $\Omega$ )	R2(k $\Omega$ )
KRC241M	1	1
KRC242M	2.2	2.2
KRC243M	4.7	4.7
KRC244M	10	10
KRC245M	1	10
KRC246M	2.2	10



#### MAXIMUM RATINGS (Ta=25°C)

CHARACTERISTIC		SYMBOL	RATING	UNIT
Output Voltage	KRC241M ~ 246M	V <sub>o</sub>	50	V
Input Voltage	KRC241M	V <sub>i</sub>	10, -10	V
	KRC242M		12, -10	
	KRC243M		20, -10	
	KRC244M		30, -10	
	KRC245M		10, -5	
	KRC246M		12, -6	
Output Current	KRC241M ~ 246M	I <sub>o</sub>	800	mA
Power Dissipation		P <sub>D</sub>	400	mW
Junction Temperature		T <sub>j</sub>	150	°C
Storage Temperature Range		T <sub>stg</sub>	-55 ~ 150	°C

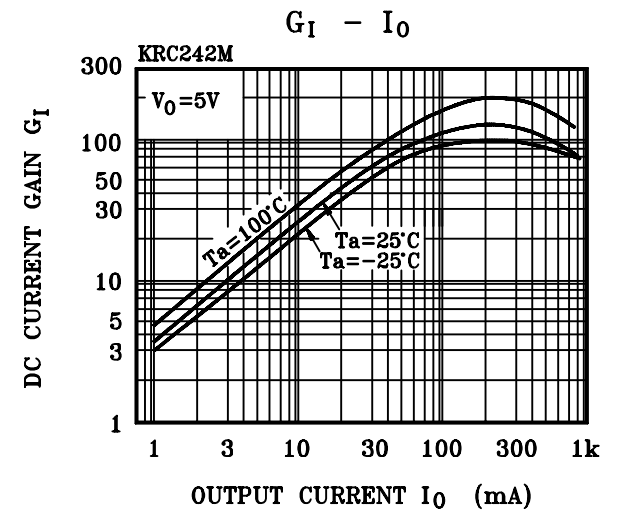
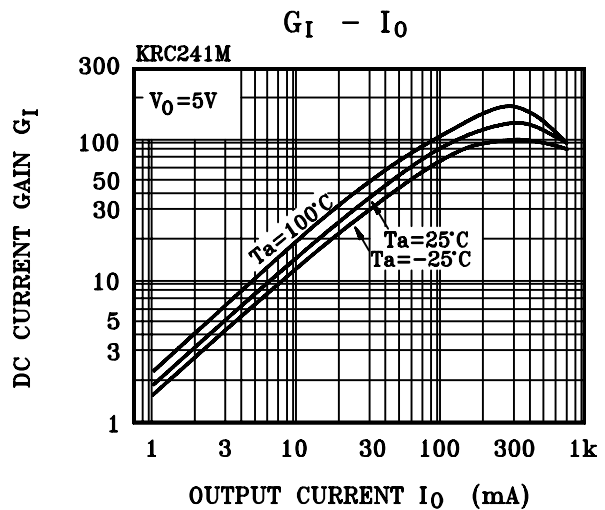
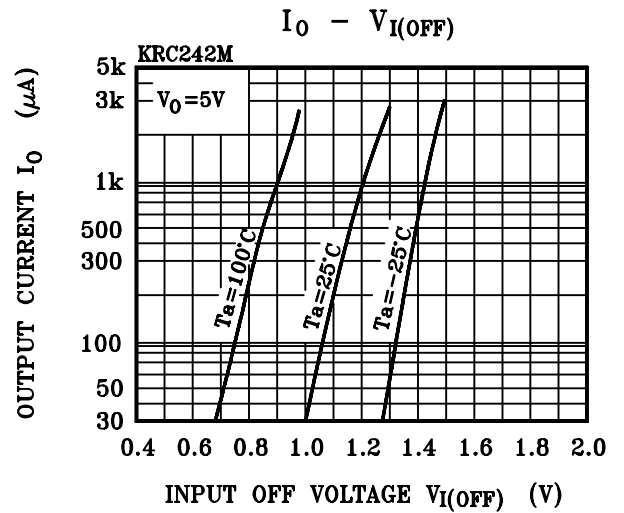
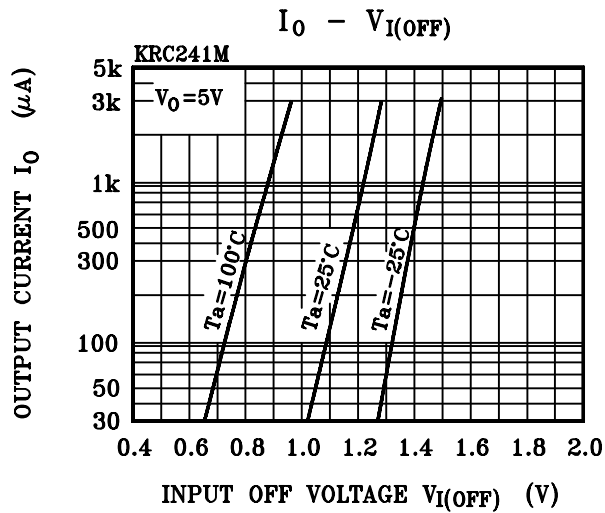
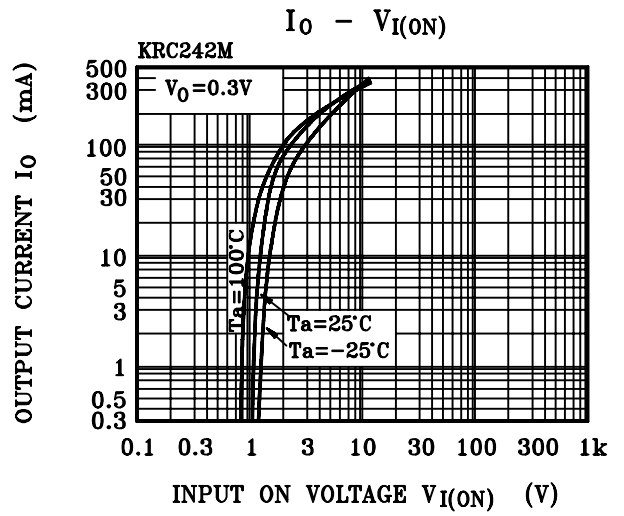
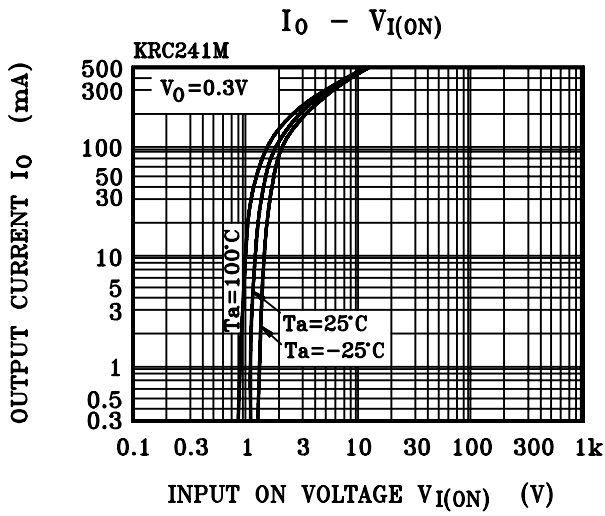
# KRC241M ~ KRC246M

## ELECTRICAL CHARACTERISTICS(T<sub>a</sub>=25°C)

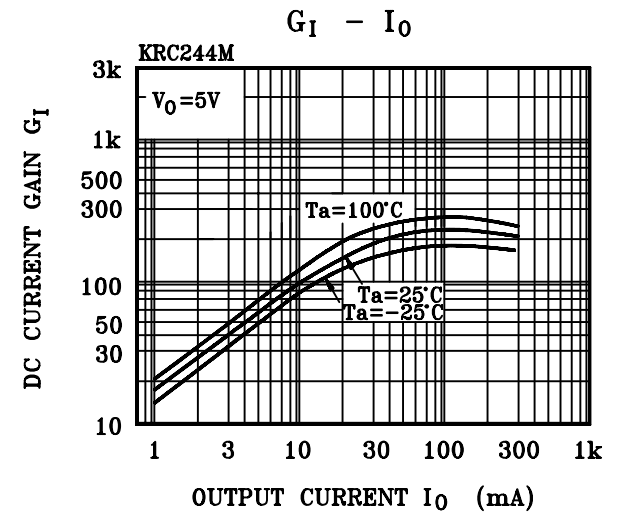
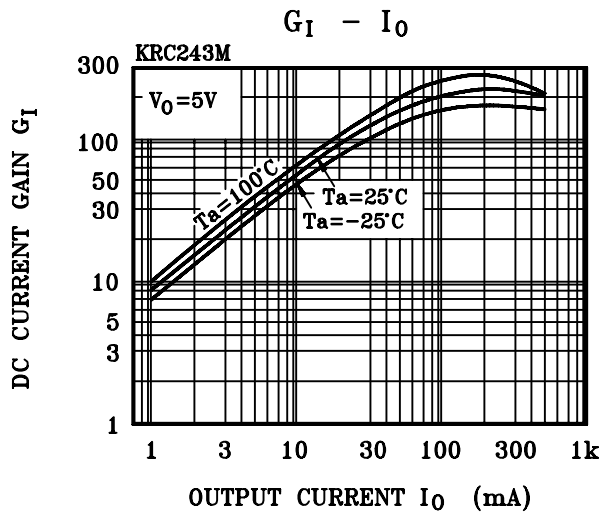
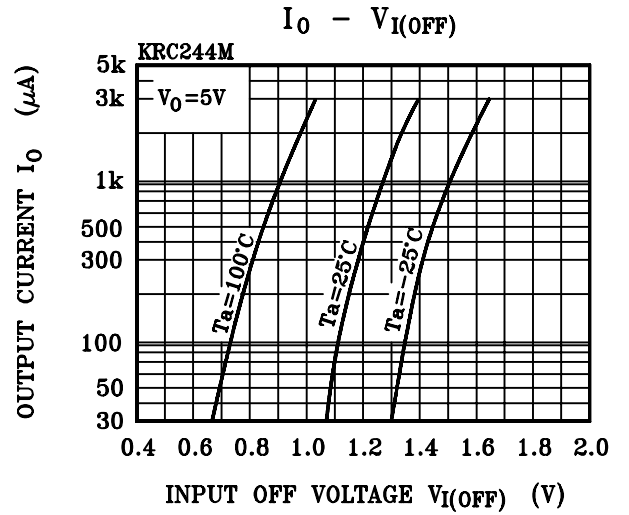
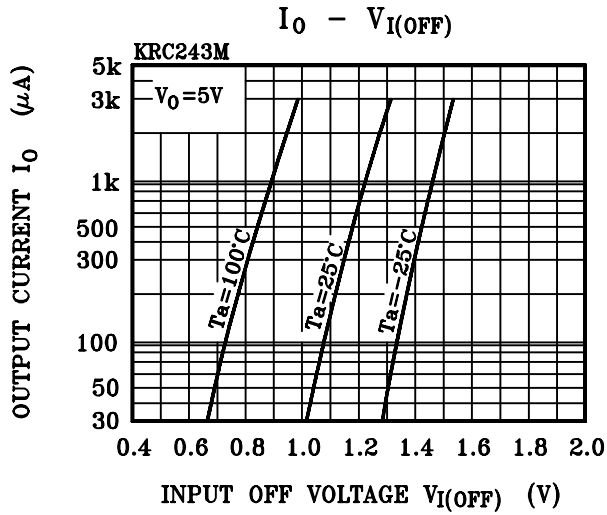
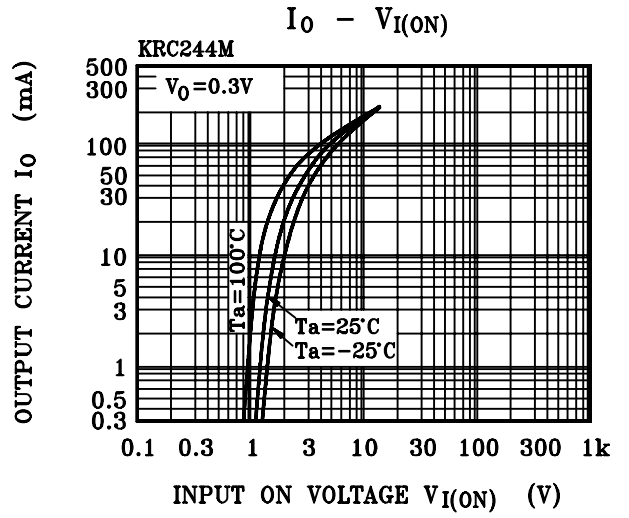
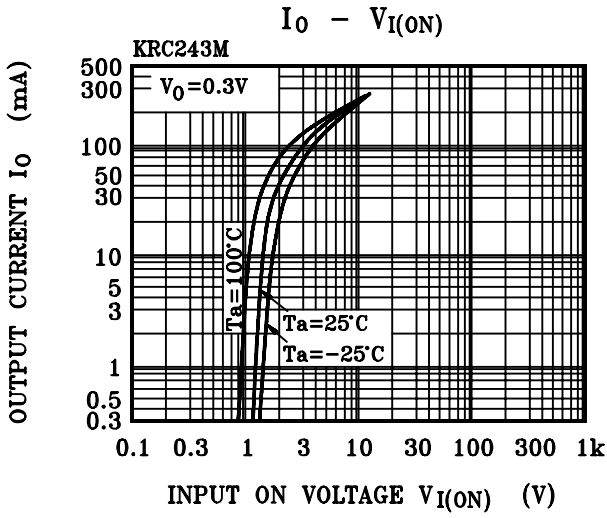
CHARACTERISTIC		SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Output Cut-off Current	KRC241M~246M	I <sub>O(OFF)</sub>	V <sub>O</sub> = 30V, V <sub>I</sub> =0	-	-	-10	μA
DC Current Gain	KRC241M	G <sub>I</sub>	V <sub>O</sub> = 5V, I <sub>O</sub> =50mA	33	-	-	
	KRC242M			39	-	-	
	KRC243M			47	-	-	
	KRC244M			56	-	-	
	KRC245M			56	-	-	
	KRC246M			56	-	-	
Output Voltage	KRC241M~246M	V <sub>O(ON)</sub>	I <sub>O</sub> =50mA, I <sub>I</sub> =2.5mA	-	0.1	0.3	V
Input Voltage (ON)	KRC241M	V <sub>I(ON)</sub>	V <sub>O</sub> =0.3V, I <sub>O</sub> =20mA	-	-	3.0	V
	KRC242M			-	-	3.0	
	KRC243M			-	-	3.0	
	KRC244M			-	-	3.0	
	KRC245M			-	-	3.0	
	KRC246M			-	-	2.0	
Input Voltage (OFF)	KRC241M~244M	V <sub>I(OFF)</sub>	V <sub>O</sub> =5V, I <sub>O</sub> =0.1mA	0.5	-	-	V
	KRC245M~246M			0.3	-	-	
Transition Frequency	KRC241M~246M	f <sub>T</sub> *	V <sub>O</sub> =10V, I <sub>O</sub> =5mA, f=100MHz	-	200	-	MHz
Input Current	KRC241M	I <sub>I</sub>	V <sub>I</sub> = 5V	-	-	7.2	mA
	KRC242M			-	-	3.8	
	KRC243M			-	-	1.8	
	KRC244M			-	-	0.88	
	KRC245M			-	-	7.2	
	KRC246M			-	-	3.6	

Note : \*Characteristic of Transistor Only

# KRC241M ~ KRC246M



# KRC241M ~ KRC246M



# KRC241M ~ KRC246M

