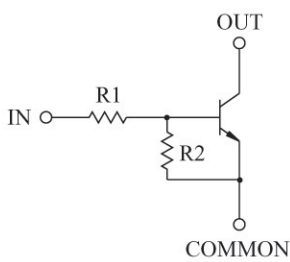


SWITCHING APPLICATION.
INTERFACE CIRCUIT AND DRIVER CIRCUIT APPLICATION.

FEATURES

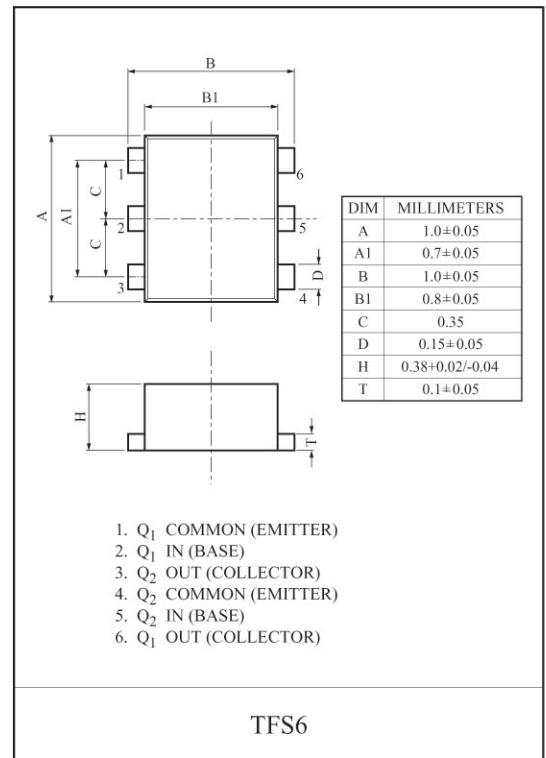
- With Built-in Bias Resistors.
- Simplify Circuit Design.
- Reduce a Quantity of Parts and Manufacturing Process.
- High Packing Density.
- Thin Fine Pitch Super mini 6 pin Package.

EQUIVALENT CIRCUIT

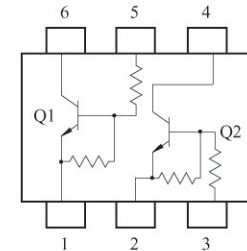


BIAS RESISTOR VALUES

TYPE NO.	R1(kΩ)	R2(kΩ)
KRC821F	4.7	4.7
KRC822F	10	10
KRC823F	22	22
KRC824F	47	47



EQUIVALENT CIRCUIT (TOP VIEW)



MAXIMUM RATING (Ta=25°C)

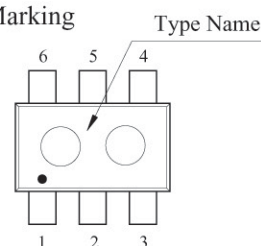
CHARACTERISTIC	SYMBOL	RATING	UNIT
Output Voltage	V_O	20	V
Input Voltage	V_I	10/-10	V
Output Current	I_O	50	mA
Power Dissipation	P_D^*	50	mW
unction Temperature	T	150	°C
Storage Temperature Range	T_{stg}	55 ~ 150	°C

* Total Rating.

MARK SPEC

TYPE	KRC821F	KRC822F	KRC823F	KRC824F
MARK	NA	NB	NC	ND

Marking



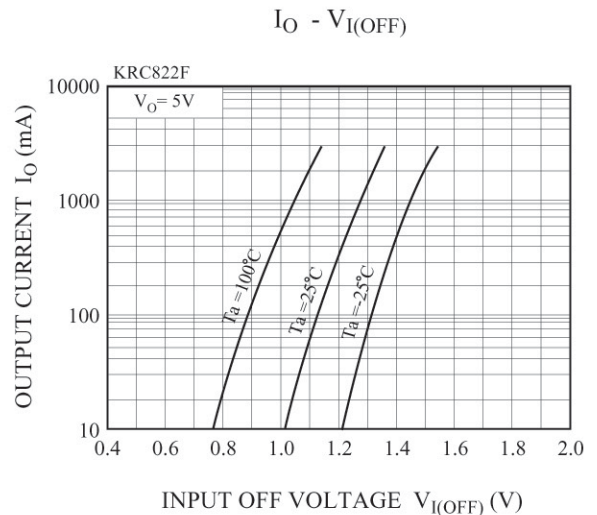
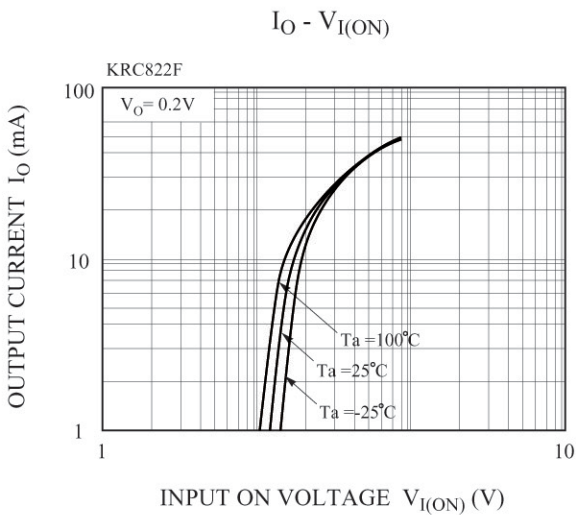
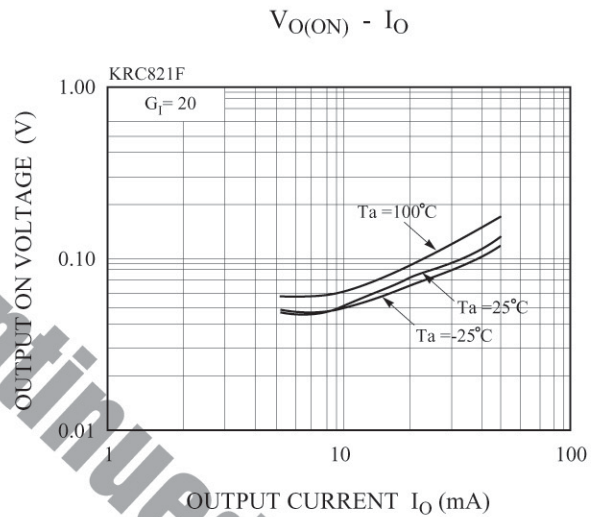
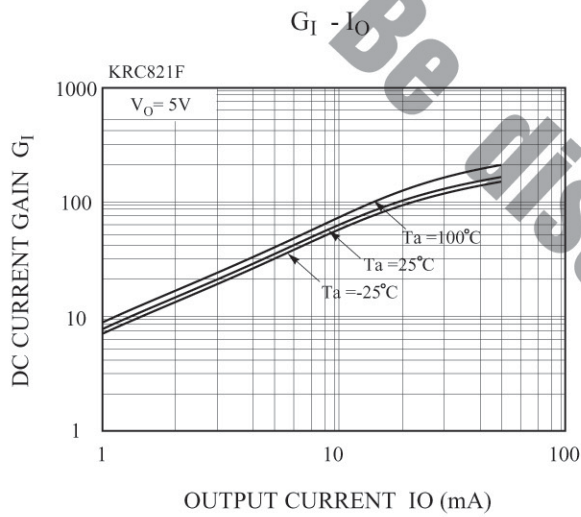
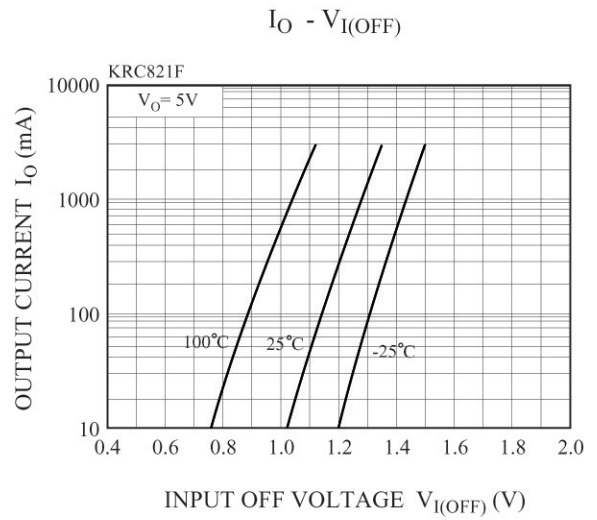
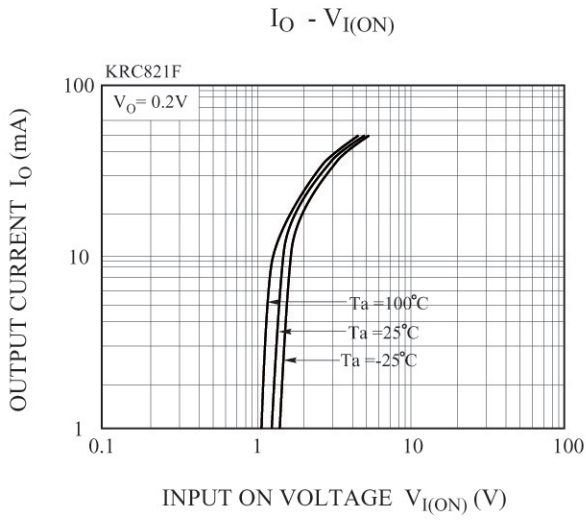
KRC821F~KRC824F

ELECTRICAL CHARACTERISTICS (Ta=25°C)

CHARACTERISTIC		SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Output Cut-off Current	KRC821F ~ 824F	$I_{O(OFF)}$	$V_O=20V, V_I=0$	-	-	500	nA
DC Current Gain	KRC821F	G_I	$V_O=5V, I_O=10mA$	30	-	-	
	KRC822F			60	-	-	
	KRC823F			100	-	-	
	KRC824F			120	-	-	
Output Voltage	KRC821F ~ 824F	$V_{O(ON)}$	$I_O=5mA, I_I=0.25mA$	-	-	0.15	V
Input Voltage (ON)	KRC821F	$V_{I(ON)}$	$V_O=0.2V, I_O=5mA$	-	-	2.0	V
	KRC822F			-	-	2.2	
	KRC823F			-	-	2.7	
	KRC824F			-	-	3.6	
Input Voltage (OFF)	KRC821F ~ 824F	$V_{I(OFF)}$	$V_O=5V, I_O=0.1mA$	0.8	-	1.5	V
Input Current	KRC821F	I_I	$V_I=5V$	-	-	1.8	mA
	KRC822F			-	-	0.88	
	KRC823F			-	-	0.36	
	KRC824F			-	-	0.18	
Input Resistor	KRC821F	R_1	-	3.29	4.7	6.11	k Ω
	KRC822F			7	10	13	
	KRC823F			15.4	22	28.6	
	KRC824F			32.9	47	61.1	
Resistor Ratio	KRC821F ~ 824F	R_2/R_1	-	0.8	1.0	1.2	

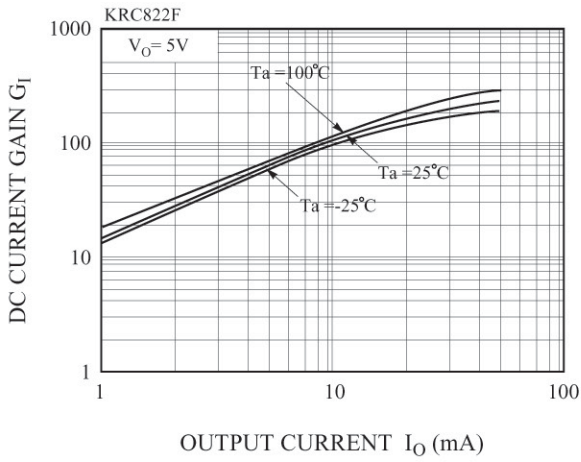
Discontinued

KRC821F~KRC824F

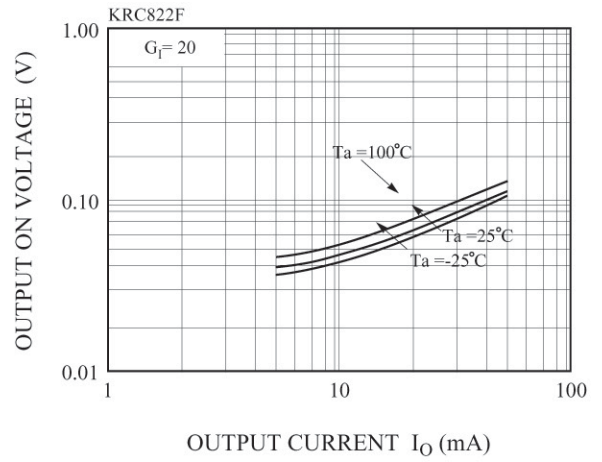


KRC821F~KRC824F

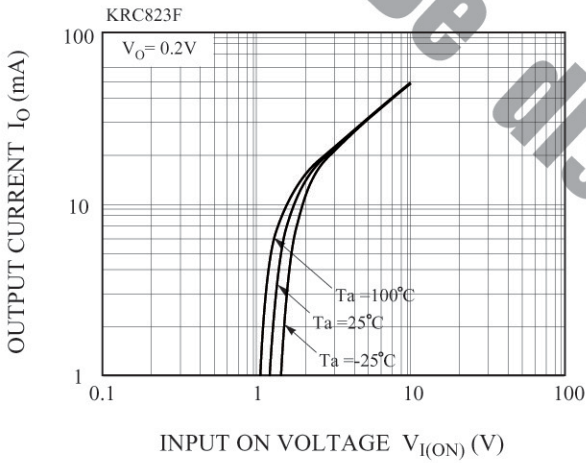
$G_I - I_O$



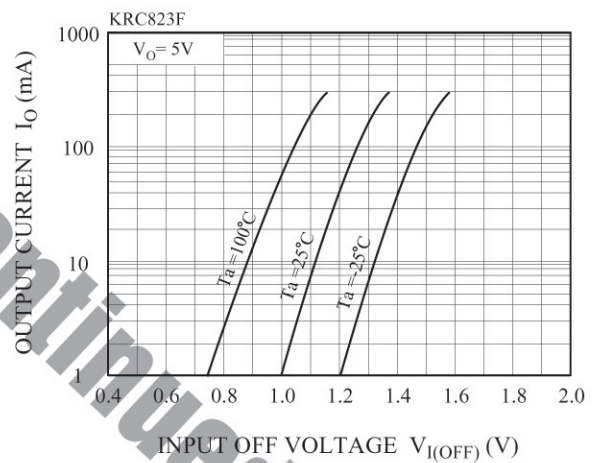
$V_{O(ON)} - I_O$



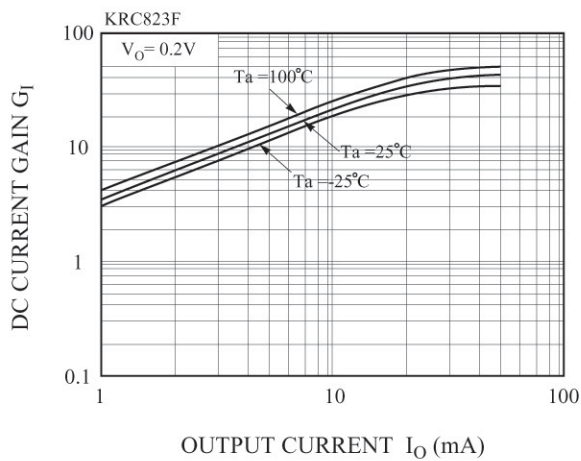
$I_O - V_{I(ON)}$



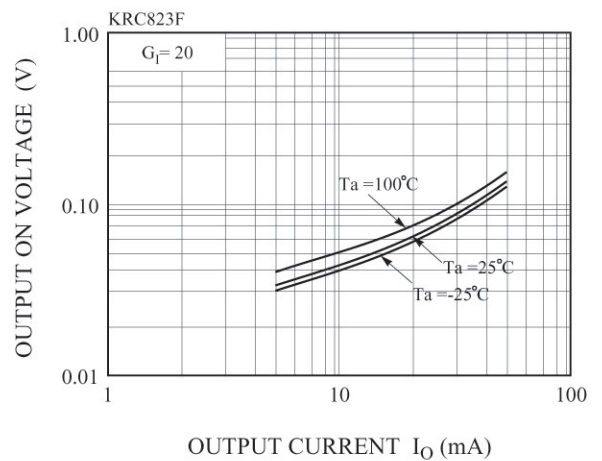
$I_O - V_{I(OFF)}$



$G_I - I_O$

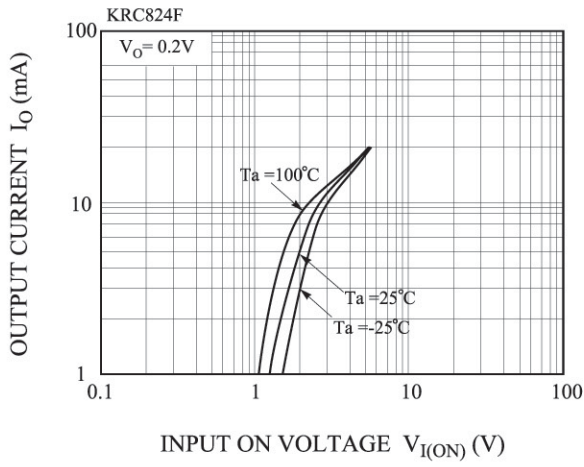


$V_{O(ON)} - I_O$

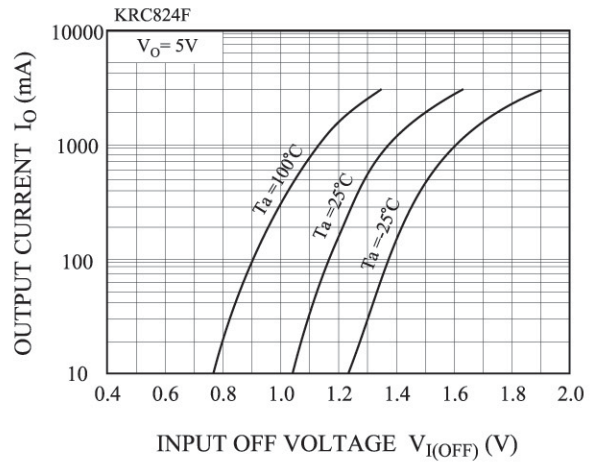


KRC821F~KRC824F

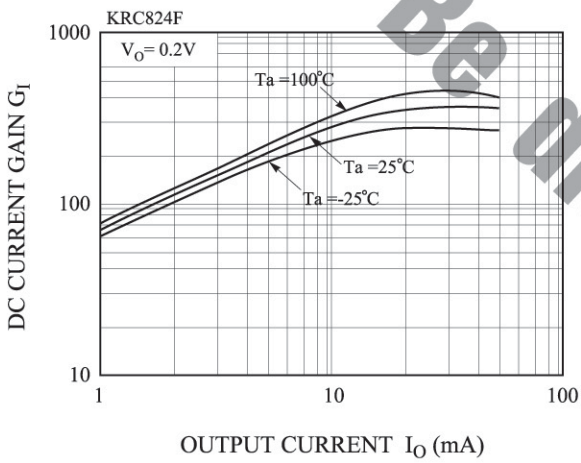
$I_O - V_{I(ON)}$



$I_O - V_{I(OFF)}$



$G_I - I_O$



$V_{O(ON)} - I_O$

