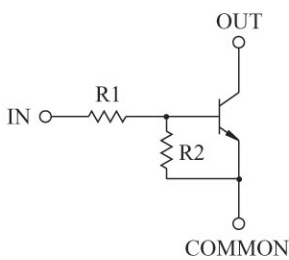


SWITCHING APPLICATION.
INTERFACE CIRCUIT AND DRIVER CIRCUIT APPLICATION.

FEATURES

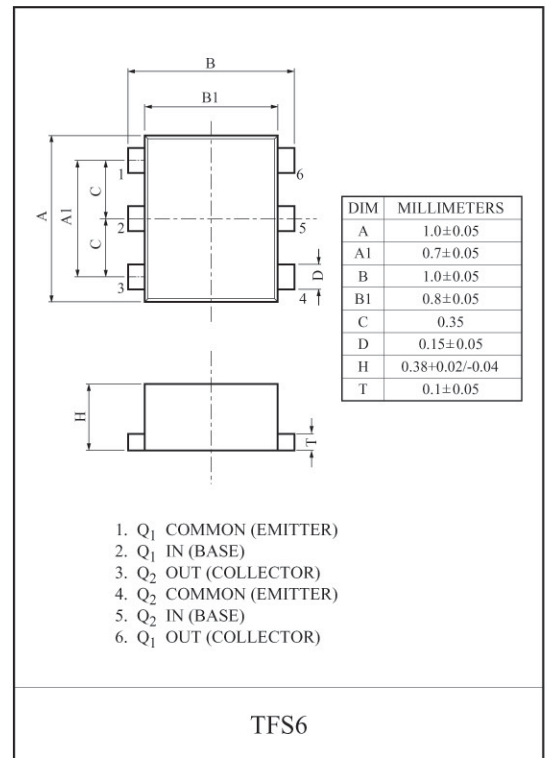
- With Built-in Bias Resistors.
- Simplify Circuit Design.
- Reduce a Quantity of Parts and Manufacturing Process.
- High Packing Density.
- Thin Fine Pitch Super mini 6pin Package.

EQUIVALENT CIRCUIT

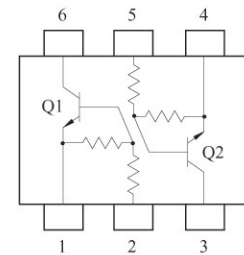


BIAS RESISTOR VALUES

TYPE NO.	R1(kΩ)	R2(kΩ)
KRC851F	4.7	4.7
KRC852F	10	10
KRC853F	22	22
KRC854F	47	47



EQUIVALENT CIRCUIT (TOP VIEW)



MAXIMUM RATING (Ta=25°C)

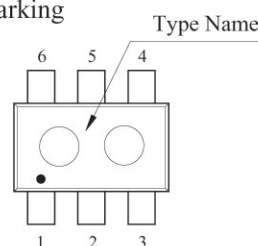
CHARACTERISTIC	SYMBOL	RATING	UNIT
Output Voltage	V _O	20	V
Input Voltage	V _I	10/-10	V
Output Current	I _O	50	mA
Power Dissipation	P _D *	50	mW
junction Temperature	T	150	°C
Storage Temperature Range	T _{stg}	55~150	°C

* Total Rating.

MARK SPEC

TYPE	KRC851F	KRC852F	KRC853F	KRC854F
MARK	LA	LB	LC	LD

Marking



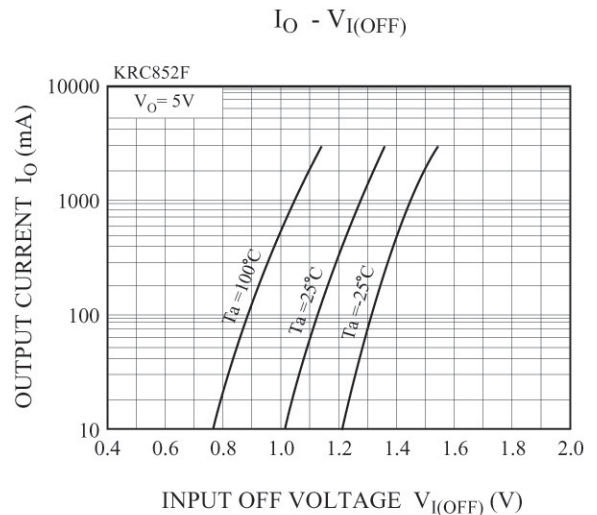
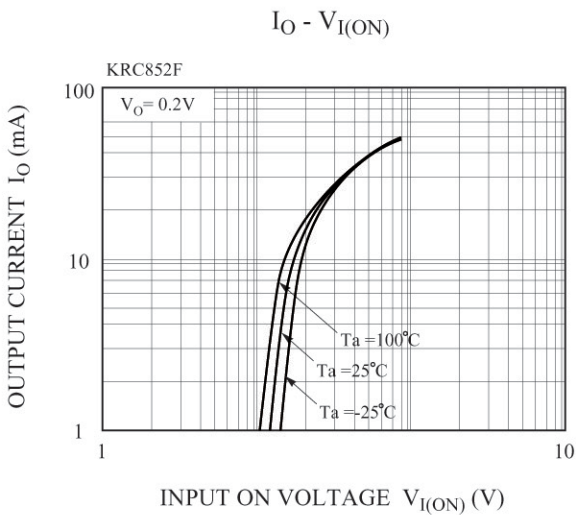
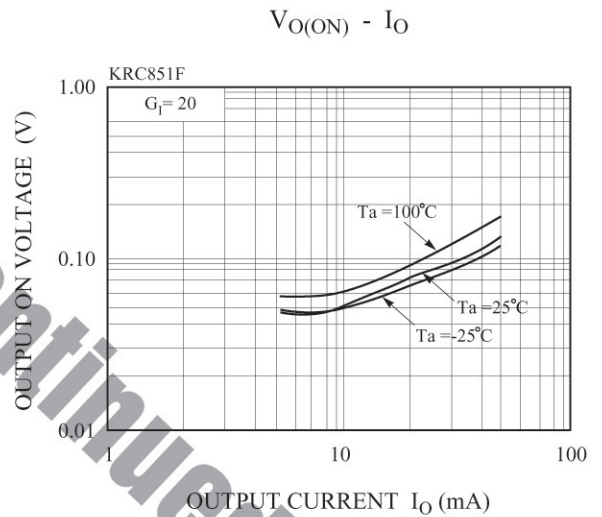
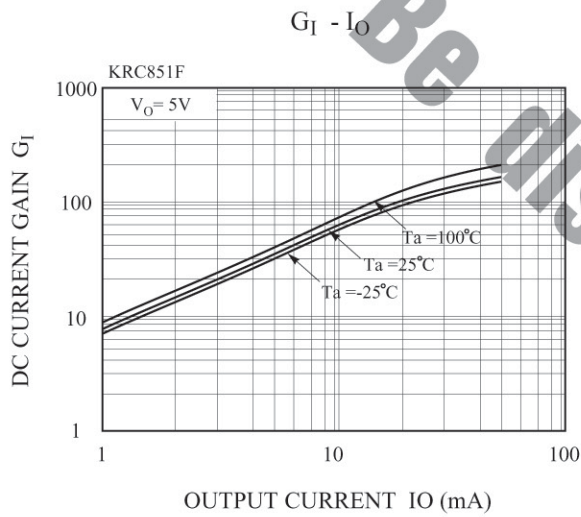
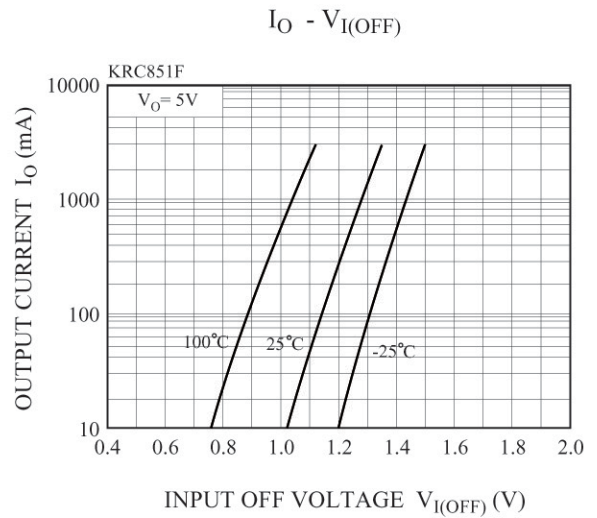
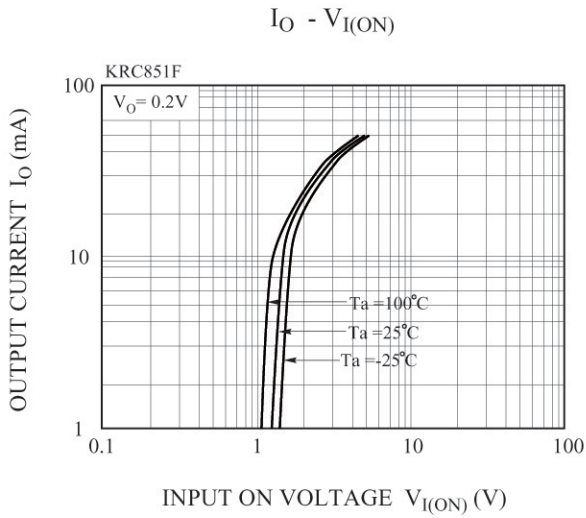
KRC851F~KRC854F

ELECTRICAL CHARACTERISTICS (Ta=25°C)

CHARACTERISTIC		SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Output Cut-off Current	KRC851F~854F	$I_{O(OFF)}$	$V_O=20V, V_I=0$	-	-	500	nA
DC Current Gain	KRC851F	G_I	$V_O=5V, I_O=10mA$	30	-	-	
	KRC852F			60	-	-	
	KRC853F			100	-	-	
	KRC854F			120	-	-	
Output Voltage	KRC851F~ 854F	$V_{O(ON)}$	$I_O=5mA, I_I=0.25mA$	-	-	0.15	V
Input Voltage (ON)	KRC851F	$V_{I(ON)}$	$V_O=0.2V, I_O=5mA$	-	-	2.0	V
	KRC852F			-	-	2.2	
	KRC853F			-	-	2.7	
	KRC854F			-	-	3.6	
Input Voltage (OFF)	KRC851F~854F	$V_{I(OFF)}$	$V_O=5V, I_O=0.1mA$	0.8	-	1.5	V
Input Current	KRC851F	I_I	$V_I=5V$	-	-	1.8	mA
	KRC852F			-	-	0.88	
	KRC853F			-	-	0.36	
	KRC854F			-	-	0.18	
Input Resistor	KRC851F	R1	-	3.29	4.7	6.11	k Ω
	KRC852F			7	10	13	
	KRC853F			15.4	22	28.6	
	KRC854F			32.9	47	61.1	
Resistor Ratio	KRC851F~854F	R2/R1	-	0.8	1.0	1.2	

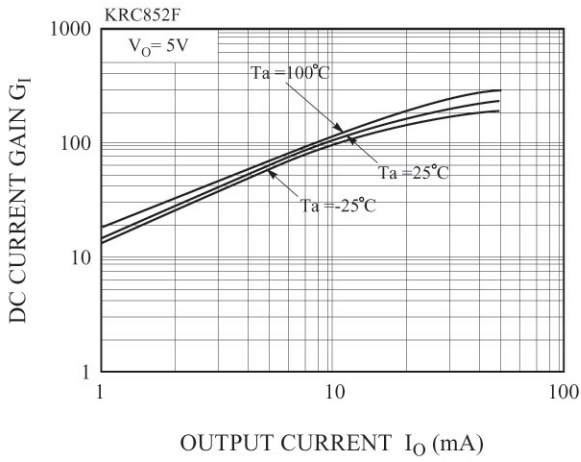
Be discontinued

KRC851F~KRC854F

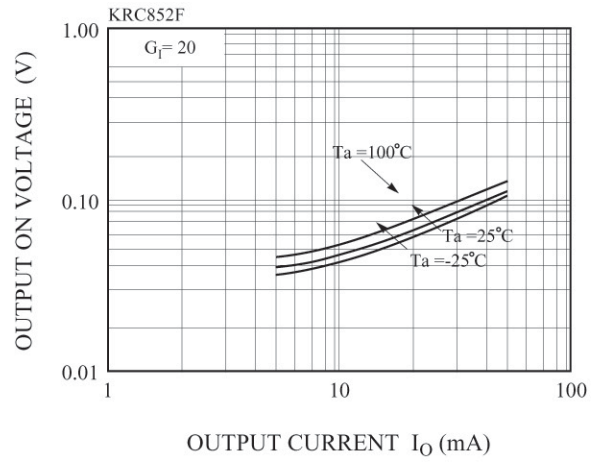


KRC851F~KRC854F

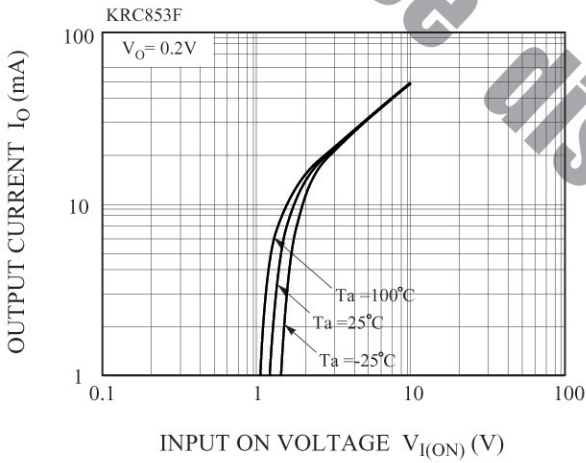
$G_I - I_O$



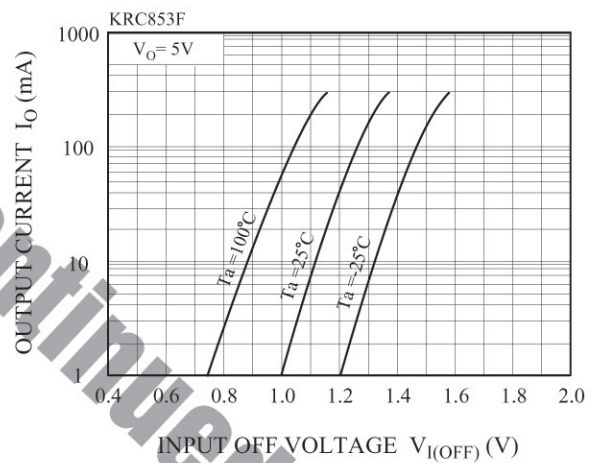
$V_{O(ON)} - I_O$



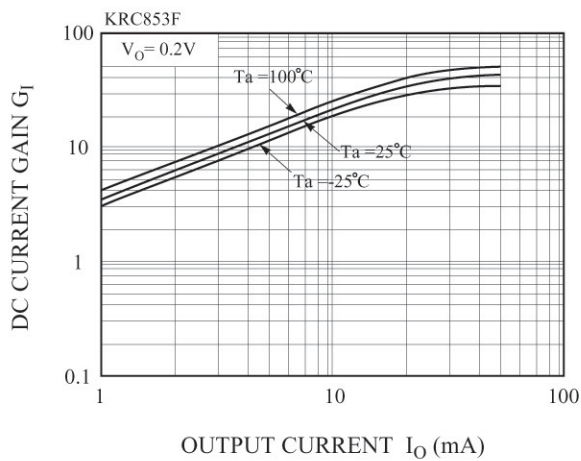
$I_O - V_{I(ON)}$



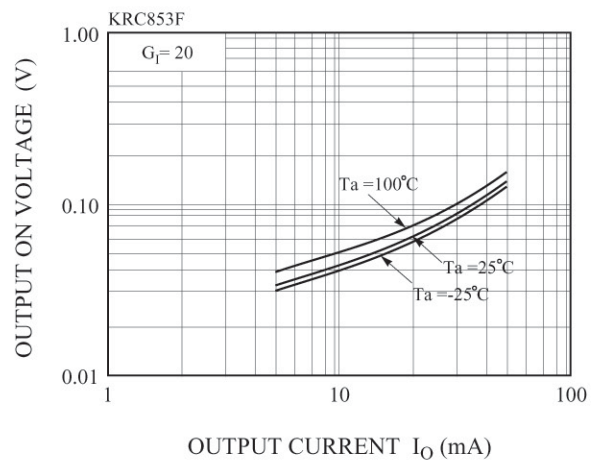
$I_O - V_{I(OFF)}$



$G_I - I_O$

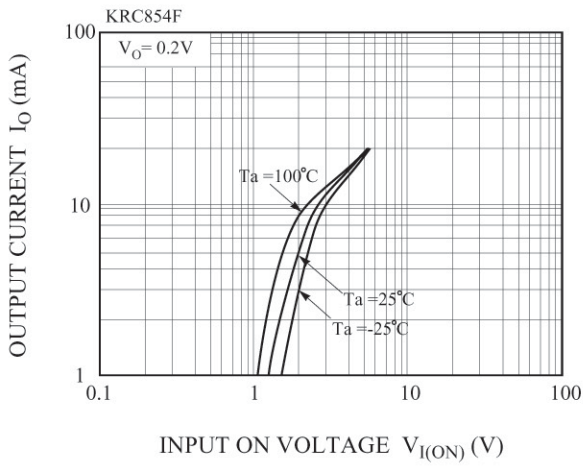


$V_{O(ON)} - I_O$

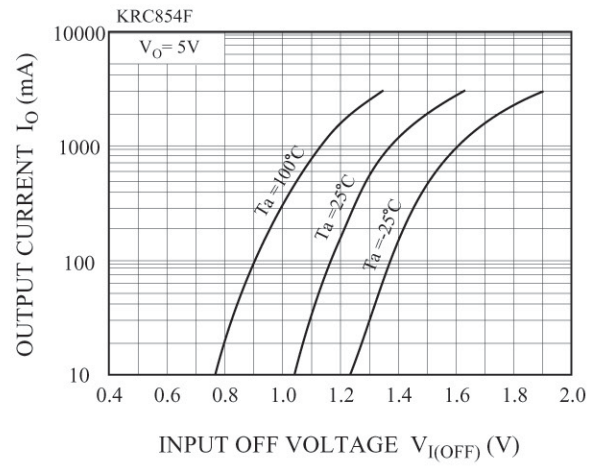


KRC851F~KRC854F

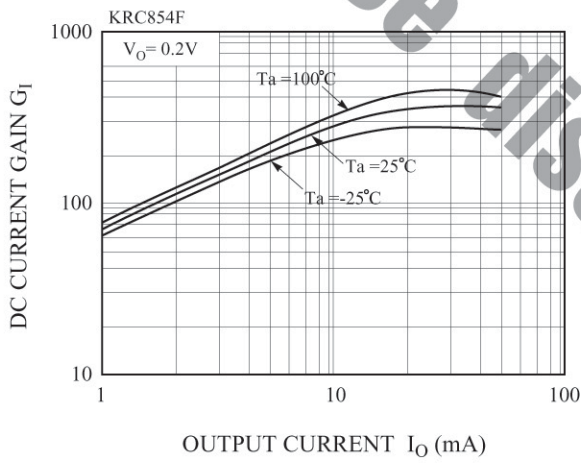
$I_O - V_{I(ON)}$



$I_O - V_{I(OFF)}$



$G_I - I_O$



$V_{O(ON)} - I_O$

