

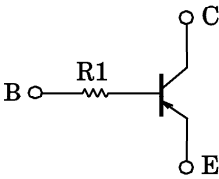
TOSHIBA PHOTOCOUPLER SILICON PNP EPITAXIAL TYPE (PCT PROCESS)

RN2610, RN2611

SWITCHING, INVERTER CIRCUIT, INTERFACE CIRCUIT AND DRIVER CIRCUIT APPLICATIONS.

- Including Two Devices in SM6 (Super Mini Type with 6 leads)
- With Built-in Bias Resistors
- Simplify Circuit Design
- Reduce a Quantity of Parts and Manufacturing Process
- Complementary to RN1610~RN1611

EQUIVALENT CIRCUIT



MAXIMUM RATINGS (Ta = 25°C) (Q1, Q2 COMMON)

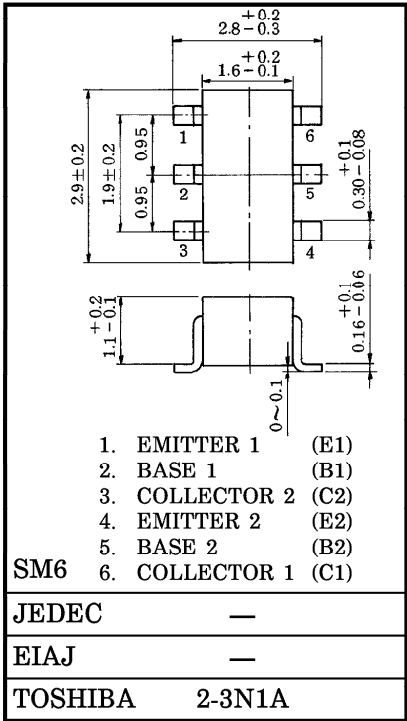
CHARACTERISTIC	SYMBOL	RATING	UNIT
Collector-Base Voltage	V_{CBO}	-50	V
Collector-Emitter Voltage	V_{CEO}	-50	V
Emitter-Base Voltage	V_{EBO}	-5	V
Collector Current	I_C	-100	mA
Collector Power Dissipation	P_C^*	300	mW
Junction Temperature	T_j	150	°C
Storage Temperature Range	T_{stg}	-55~150	°C

* Total Rating

ELECTRICAL CHARACTERISTICS (Ta = 25°C) (Q1, Q2 COMMON)

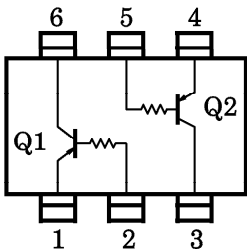
CHARACTERISTIC		SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Collector Cut-off Current		I_{CBO}	$V_{CB} = -50V, I_E = 0$	—	—	-100	nA
Emitter Cut-off Current		I_{EBO}	$V_{EB} = -5V, I_C = 0$	—	—	-100	nA
DC Current Gain		h_{FE}	$V_{CE} = -5V, I_C = -1mA$	120	—	400	
Collector-Emitter Saturation Voltage		$V_{CE(sat)}$	$I_C = -5mA, I_B = -0.25mA$	—	-0.1	-0.3	V
Transition Frequency		f_T	$V_{CE} = -10V, I_C = -5mA$	—	200	—	MHz
Collector Output Capacitance		C_{ob}	$V_{CB} = -10V, I_E = 0, f = 1MHz$	—	3	6	pF
Input Resistor	RN2610	R1	—	3.29	4.7	6.11	kΩ
	RN2611			7	10	13	

Unit in mm



Weight : 0.015g

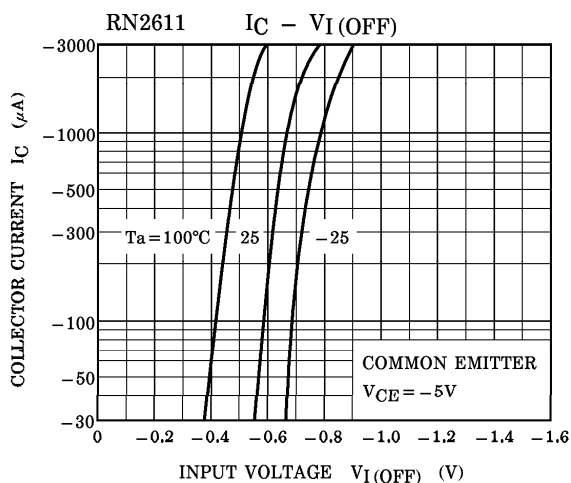
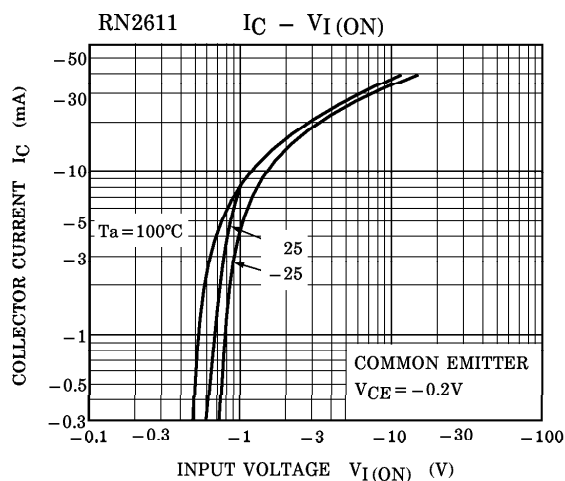
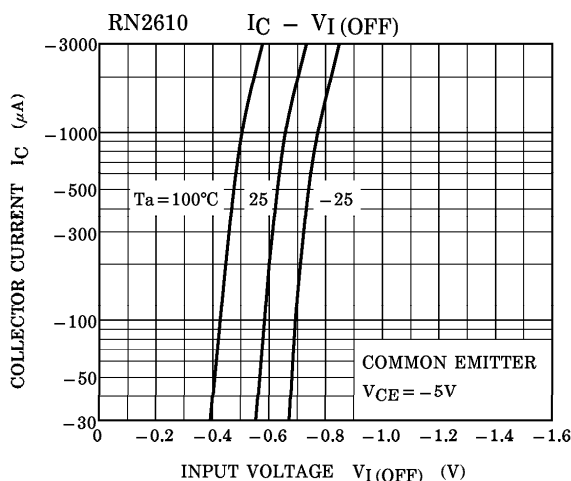
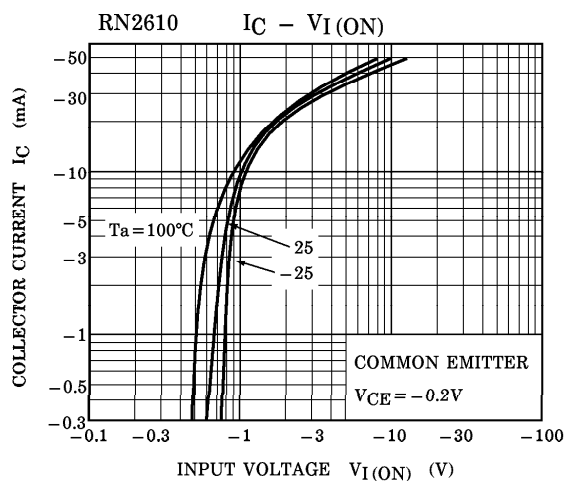
EQUIVALENT CIRCUIT (TOP VIEW)



961001EAA2

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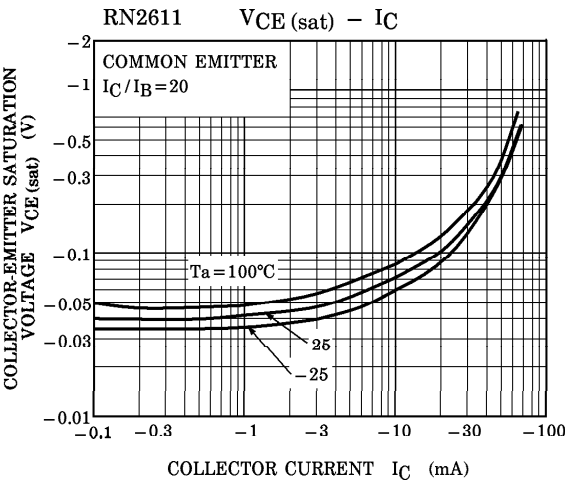
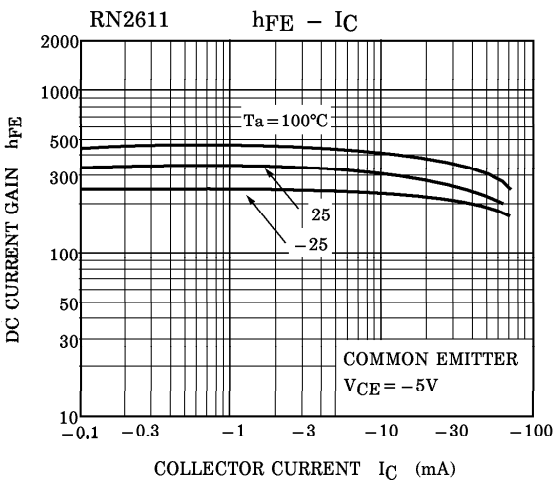
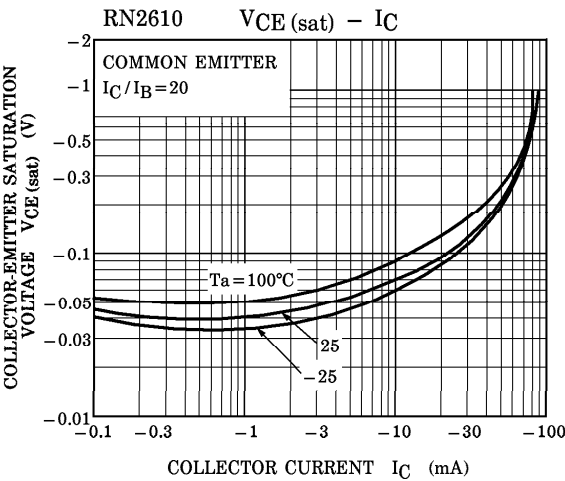
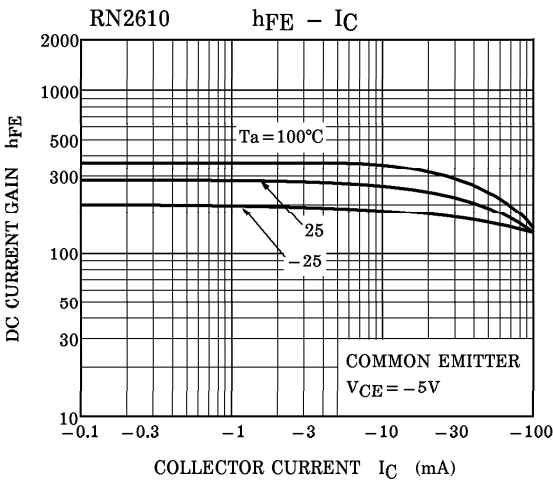
(Q1, Q2 COMMON)

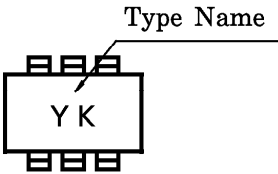
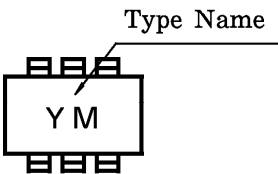


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(Q1, Q2, COMMON)



TYPE NAME	MARKING
RN2610	 The diagram shows a rectangular component with four pins on each of the longer sides. The letters 'Y K' are printed in the center. A line points from the text 'Type Name' to the 'Y' character.
RN2611	 The diagram shows a rectangular component with four pins on each of the longer sides. The letters 'Y M' are printed in the center. A line points from the text 'Type Name' to the 'Y' character.