

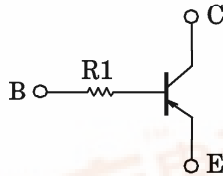
TOSHIBA PHOTOCOUPLER SILICON PNP EPITAXIAL TYPE (PCT PROCESS)

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)

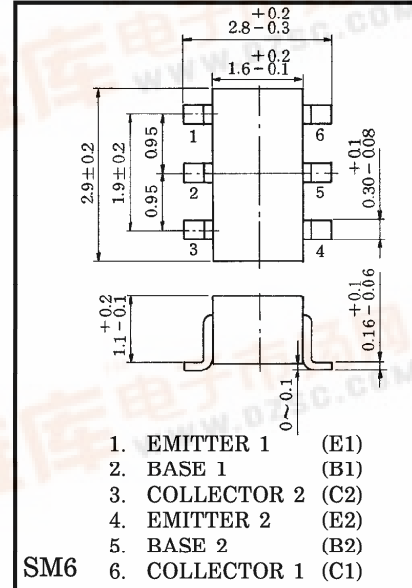
CHARACTERISTIC	SYMBOL	RATING	UNIT
Collector-Base Voltage	V _{CB0}	-50	V
Collector-Emitter Voltage	V _{CEO}	-50	V
Emitter-Base Voltage	V _{EBO}	-5	V
Collector Current	I _C	-100	mA
Collector Power Dissipation	P _C *	300	mW
Junction Temperature	T _j	150	°C
Storage Temperature Range	T _{stg}	-55~150	°C

* 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

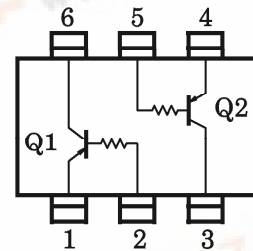


SM6

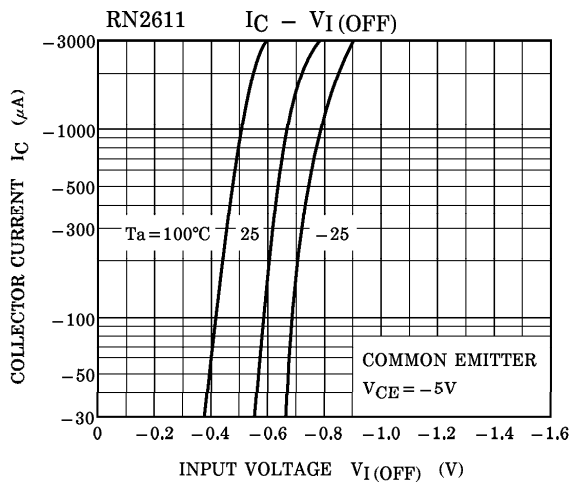
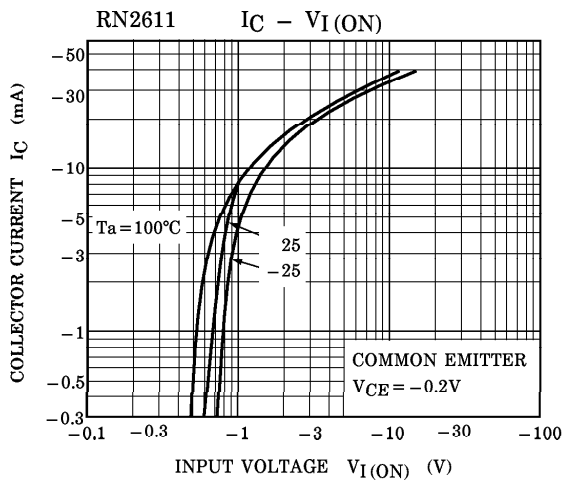
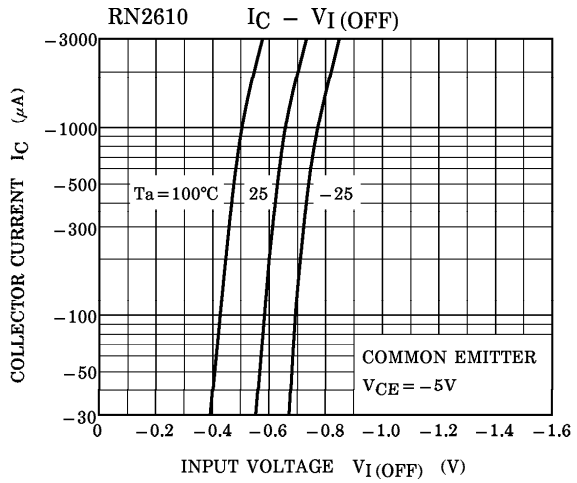
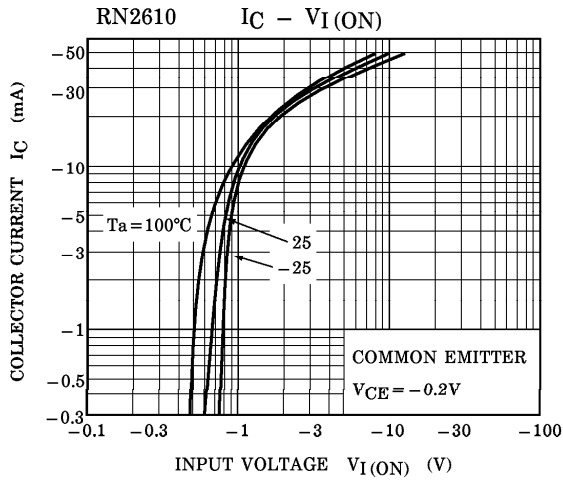
JEDEC	—
EIAJ	—
TOSHIBA	2-3N1A

Weight : 0.015g

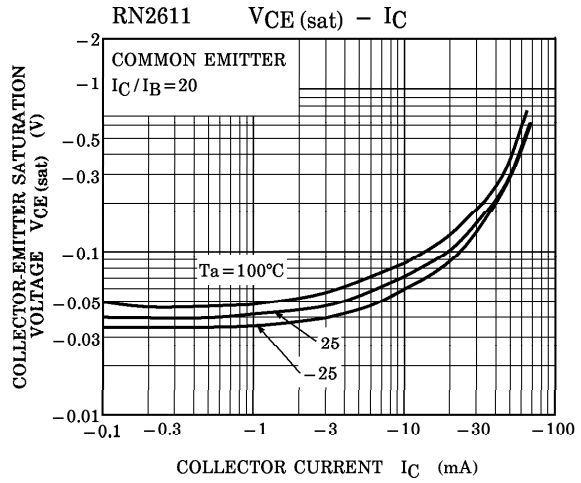
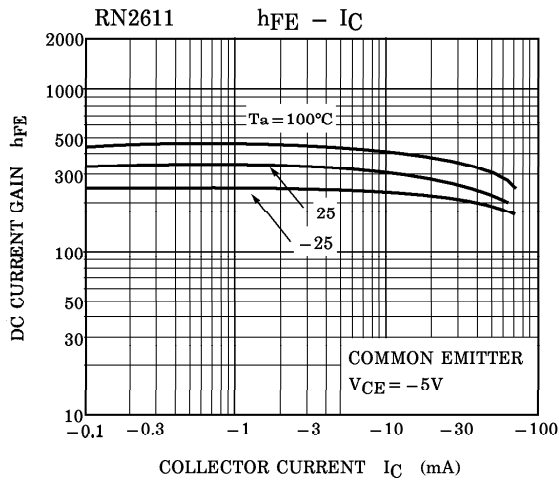
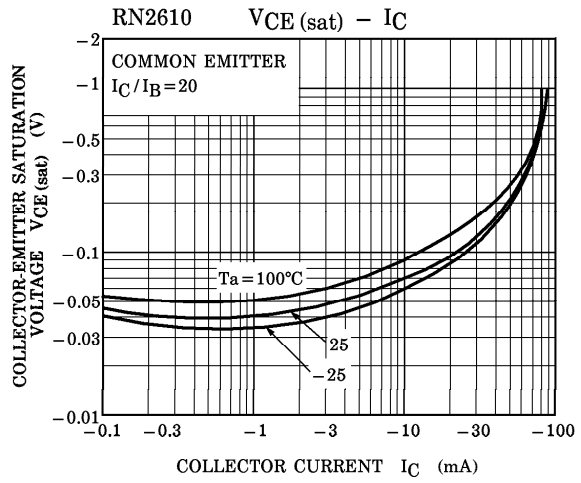
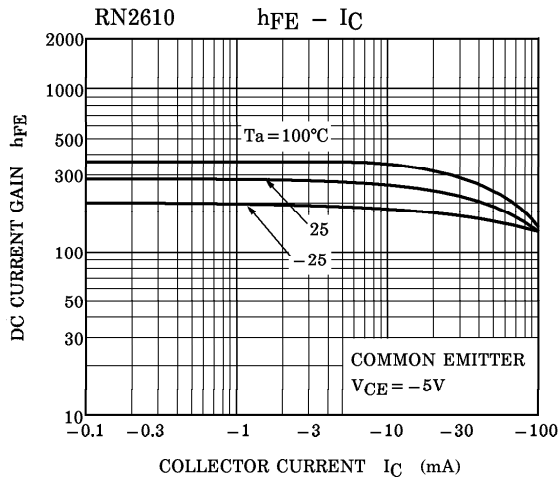
EQUIVALENT CIRCUIT (TOP VIEW)

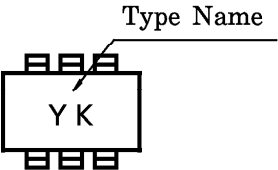
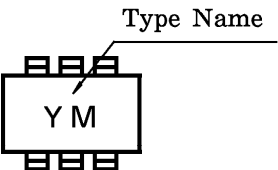


(Q1, Q2 COMMON)



(Q1, Q2, COMMON)



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