

TOSHIBA Transistor Silicon PNP Epitaxial Type (PCT Process)

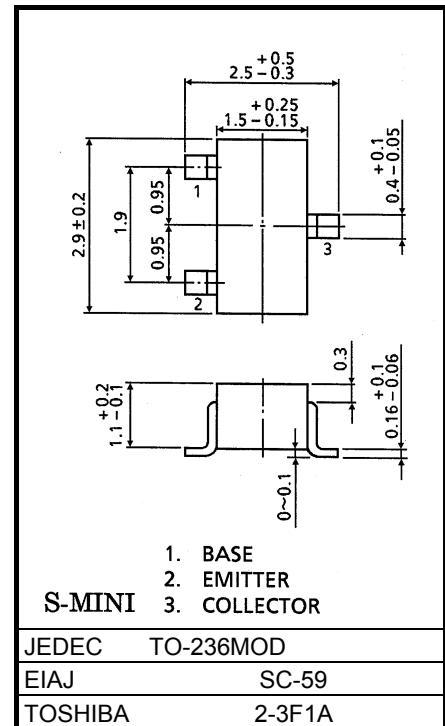
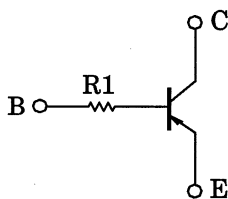
RN2410, RN2411

Switching, Inverter Circuit, Interface Circuit
And Driver Circuit Applications

Unit: mm

- With built-in bias resistors
- Simplified circuit design
- Reduce a quantity of parts and manufacturing process
- Complementary to RN1410, RN1411

Equivalent Circuit



Weight: 0.012g

Absolute Maximum Ratings (Ta = 25°C)

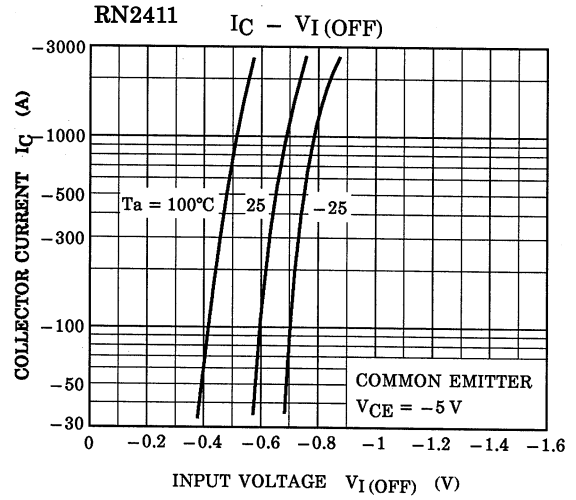
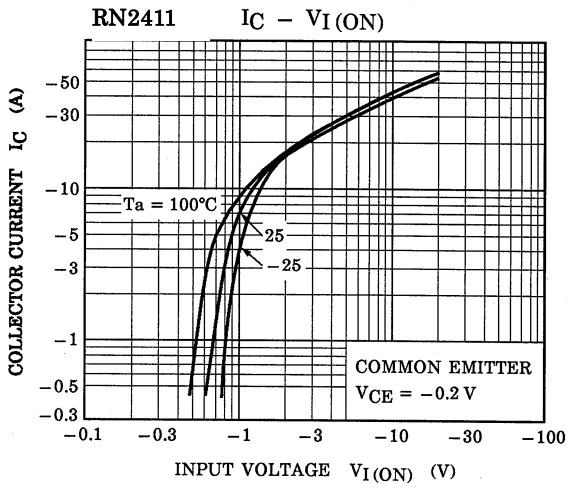
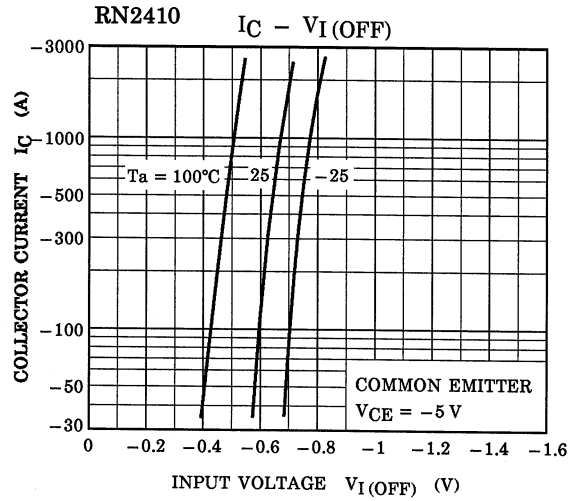
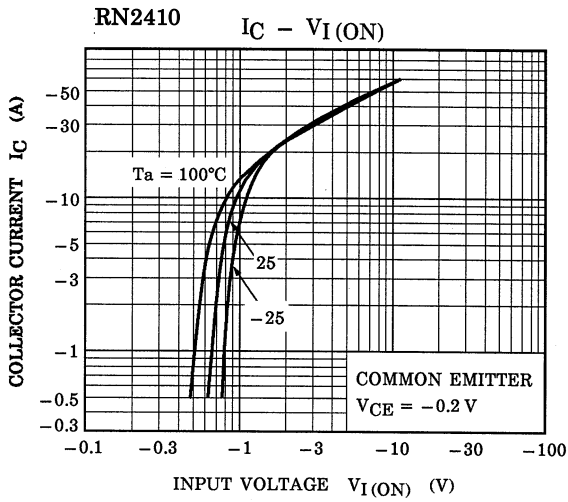
Characteristic	Symbol	Rating	Unit
Collector-base voltage	V _{CB0}	-50	V
Collector-emitter voltage	V _{CEO}	-50	V
Emitter-base voltage	V _{EB0}	-5	V
Collector current	I _C	-100	mA
Collector power dissipation	P _C	200	mW
Junction temperature	T _j	150	°C
Storage temperature range	T _{stg}	-55~150	°C

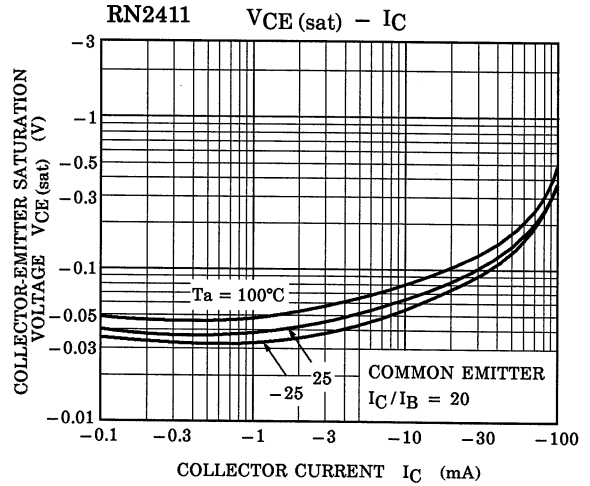
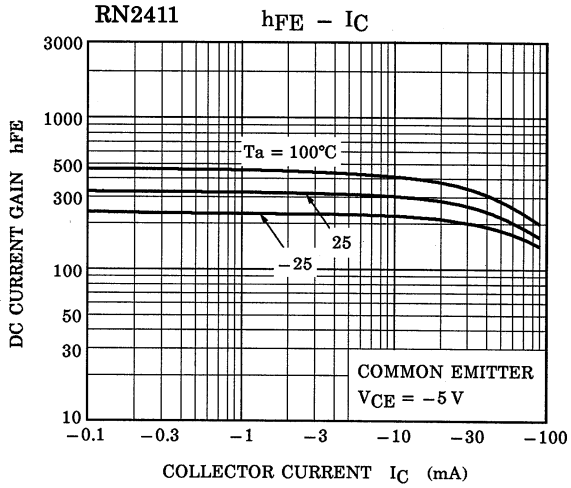
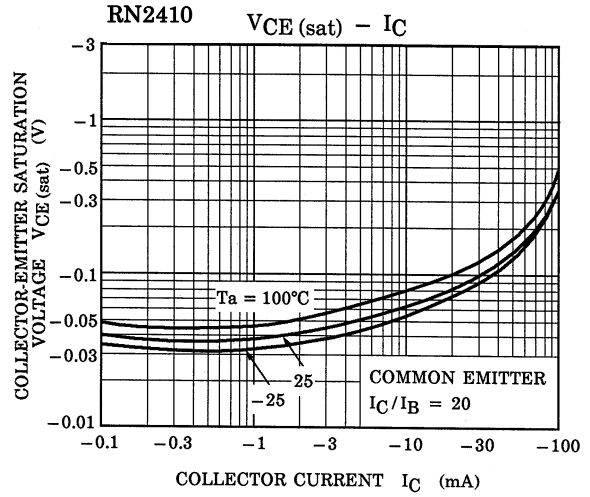
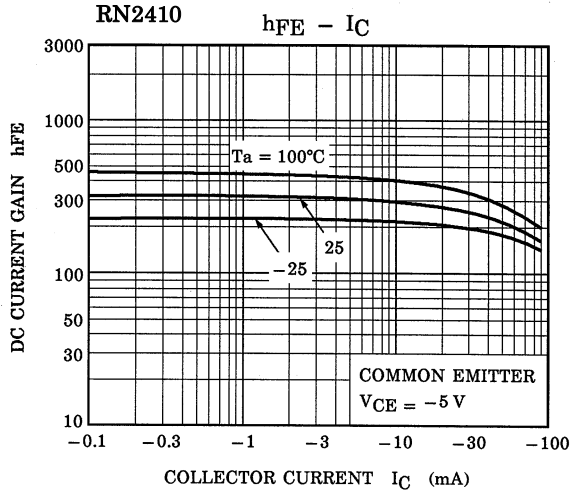
Note: Using continuously under heavy loads (e.g. the application of high temperature/current/voltage and the significant change in temperature, etc.) may cause this product to decrease in the reliability significantly even if the operating conditions (i.e. operating temperature/current/voltage, etc.) are within the absolute maximum ratings.

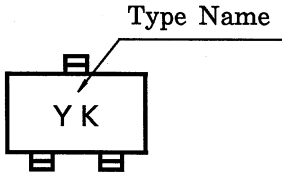
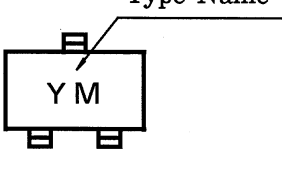
Please design the appropriate reliability upon reviewing the Toshiba Semiconductor Reliability Handbook ("Handling Precautions"/"Derating Concept and Methods") and individual reliability data (i.e. reliability test report and estimated failure rate, etc).

Electrical Characteristics (Ta = 25°C)

Characteristic	Symbol	Test Circuit	Test Condition	Min	Typ.	Max	Unit
Collector cut-off current	I _{CBO}	—	V _{CB} = -50 V, I _E = 0	—	—	-100	nA
Emitter cut-off current	I _{EB0}	—	V _{EB} = -5 V, I _C = 0	—	—	-100	nA
DC current gain	h _{FE}	—	V _{CE} = -5 V, I _C = -1 mA	120	—	400	—
Collector-emitter saturation voltage	V _{CE(sat)}	—	I _C = -5 mA, I _B = -0.25 mA	—	-0.1	-0.3	V
Transition frequency	f _T	—	V _{CE} = -10 V, I _C = -5 mA	—	200	—	MHz
Collector output capacitance	C _{ob}	—	V _{CB} = -10 V, I _E = 0, f = 1 MHz	—	3	6	pF
Input resistor	RN2410	R1	—	3.29	4.7	6.11	kΩ
	RN2411			7	10	13	





Type Name	Marking
RN2410	 <p>The diagram shows a rectangular component with two pins at the bottom. A label 'Y K' is centered on the component. A line points from the text 'Type Name' to the 'Y' in the marking.</p>
RN2411	 <p>The diagram shows a rectangular component with two pins at the bottom. A label 'Y M' is centered on the component. A line points from the text 'Type Name' to the 'Y' in the marking.</p>

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20070701-EN GENERAL

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- Поставка более 17-ти миллионов наименований электронных компонентов;
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- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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