

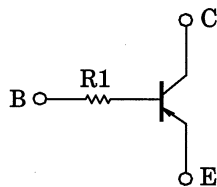
TOSHIBA Transistor Silicon PNP Epitaxial Type (PCT Process)

RN2410, RN2411

Switching, Inverter Circuit, Interface Circuit
And Driver Circuit Applications

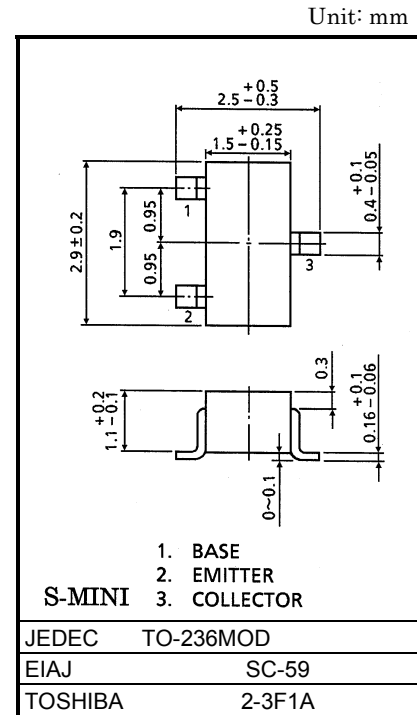
- With built-in bias resistors
- Simplified circuit design
- Reduce a quantity of parts and manufacturing process
- Complementary to RN1410, RN1411

Equivalent Circuit



Absolute Maximum Ratings (Ta = 25°C)

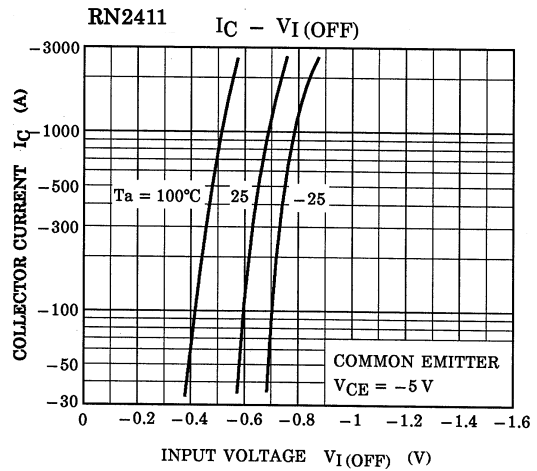
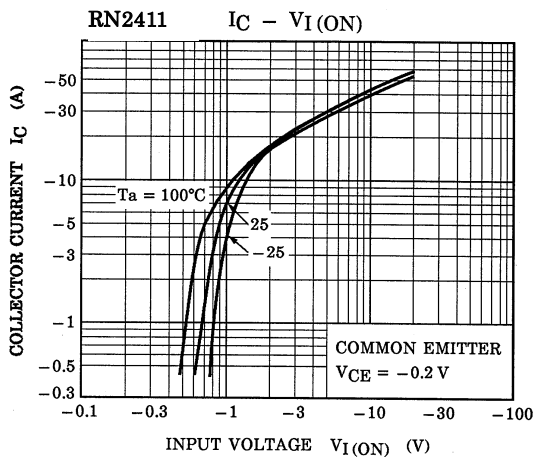
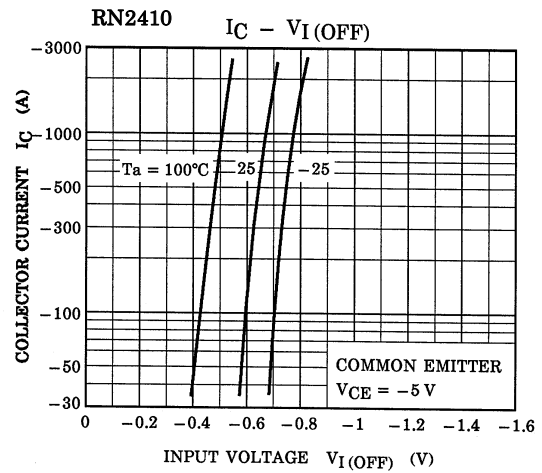
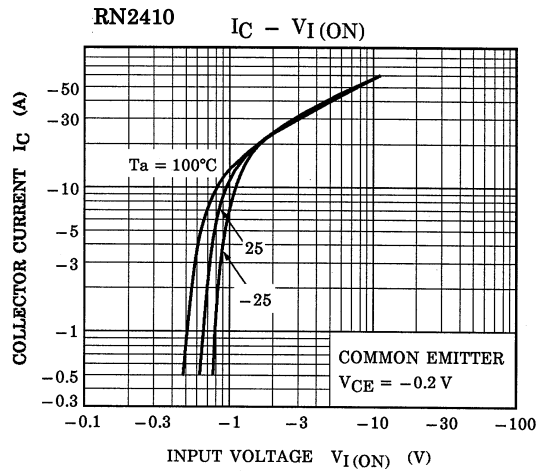
Characteristic	Symbol	Rating	Unit
Collector-base voltage	V_{CBO}	-50	V
Collector-emitter voltage	V_{CEO}	-50	V
Emitter-base voltage	V_{EBO}	-5	V
Collector current	I_C	-100	mA
Collector power dissipation	P_C	200	mW
Junction temperature	T_j	150	°C
Storage temperature range	T_{stg}	-55~150	°C

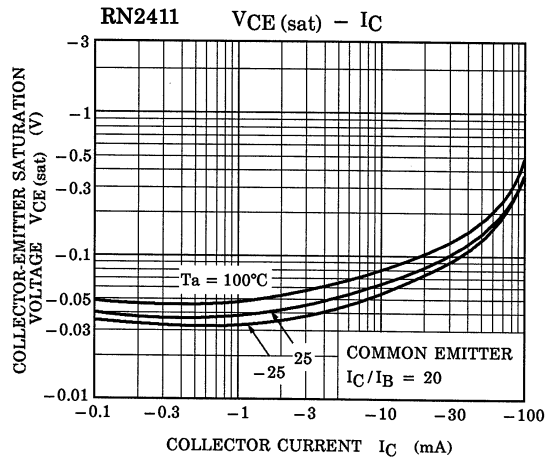
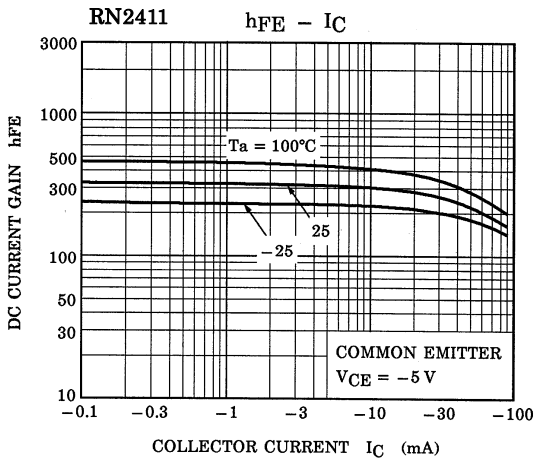
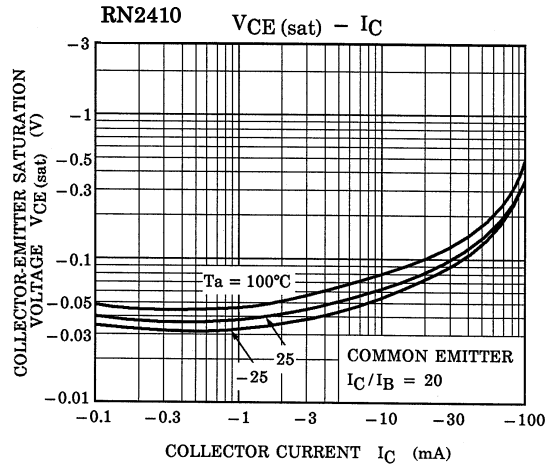
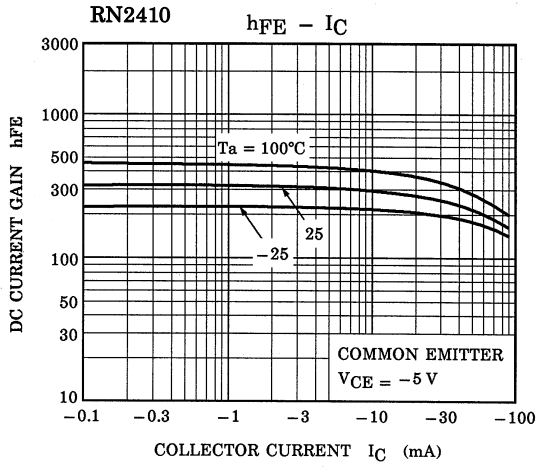


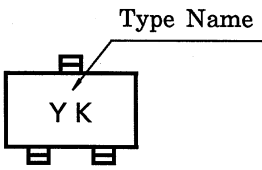
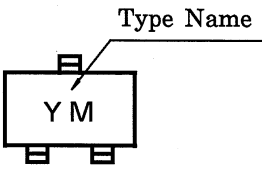
Weight: 0.012g

Electrical Characteristics (Ta = 25°C)

Characteristic	Symbol	Test Circuit	Test Condition	Min	Typ.	Max	Unit
Collector cut-off current	I_{CBO}	—	$V_{CB} = -50\text{ V}, I_E = 0$	—	—	-100	nA
Emitter cut-off current	I_{EBO}	—	$V_{EB} = -5\text{ V}, I_C = 0$	—	—	-100	nA
DC current gain	h_{FE}	—	$V_{CE} = -5\text{ V}, I_C = -1\text{ mA}$	120	—	400	—
Collector-emitter saturation voltage	$V_{CE(sat)}$	—	$I_C = -5\text{ mA}, I_B = -0.25\text{ mA}$	—	-0.1	-0.3	V
Transition frequency	f_T	—	$V_{CE} = -10\text{ V}, I_C = -5\text{ mA}$	—	200	—	MHz
Collector output capacitance	C_{ob}	—	$V_{CB} = -10\text{ V}, I_E = 0, f = 1\text{ MHz}$	—	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 a small square marking at the top center and two small square markings at the bottom corners. The text 'Y K' is printed inside the rectangle. A line points from the text 'Type Name' to the top marking.</p>
RN2411	 <p>The diagram shows a rectangular component with a small square marking at the top center and two small square markings at the bottom corners. The text 'Y M' is printed inside the rectangle. A line points from the text 'Type Name' to the top marking.</p>

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