Unit: mm

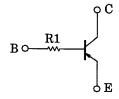
TOSHIBA Transistor Silicon PNP Epitaxial Type (PCT Process)

RN2910,RN2911

Switching, Inverter Circuit, Interface Circuit And Driver Circuit Applications

- Including two devices in US6 (ultra super mini type with 6 leads)
- With built-in bias resistors
- Simplify circuit design
- Reduce a quantity of parts and manufacturing process
- Complementary to RN1910, RN1911

Equivalent Circuit

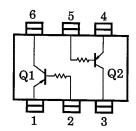


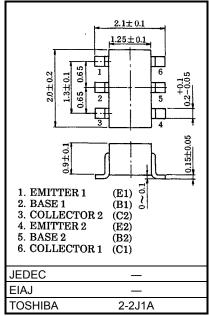
Maximum Ratings (Ta = 25°C) (Q1, Q2 Common)

Characterisstic	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	Tj	150	°C
Storage temperature range	T _{stg}	-55~150	°C

^{*}: Total rating

Equivalent Circuit (Top View)



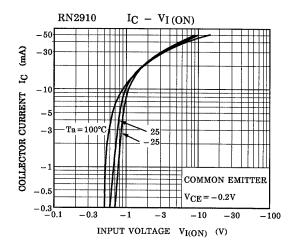


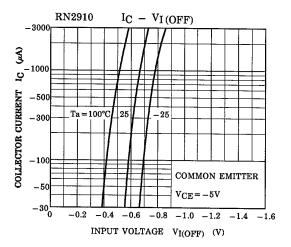
Weight: 6.8mg

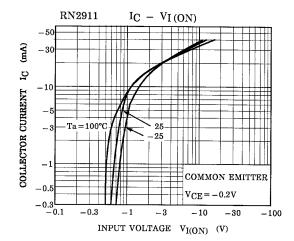
Electrical Characteristics (Ta = 25°C)

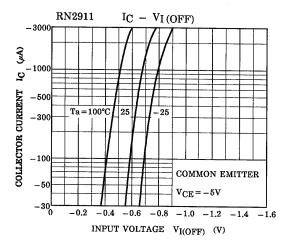
Characteristic		Symbol	Test Circuit	Test Condition	Min	Тур.	Max	Unit
Collector cut-off current		I _{CBO}	_	$V_{CB} = -50V, I_{E} = 0$	_	_	-100	nA
Emitter cut-off current		I _{EBO}	_	$V_{EB} = -5V$, $I_C = 0$	_	_	-100	nA
DC current gain		h _{FE}	_	$V_{CE} = -5V, I_{C} = -1mA$	120	_	400	_
Collector-emitter saturation voltage		V _{CE (sat)}	_	$I_C = -5mA$, $I_B = -0.25mA$	_	-0.1	-0.3	V
Translation frequency		f _T	_	$V_{CE} = -10V, I_{C} = -5mA$	_	200	_	MHz
Collector output capacitance		C _{ob}	_	$V_{CB} = -10V$, $I_E = 0V$, $f = 1MHz$	_	3	6	pF
Input resistor	RN2910	_	_	_	3.29	4.7	6.11	kΩ
	RN2911				7	10	13	

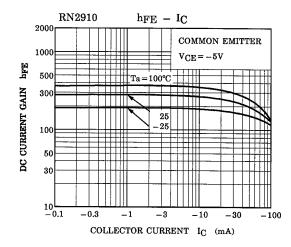
(Q1, Q2 Common)

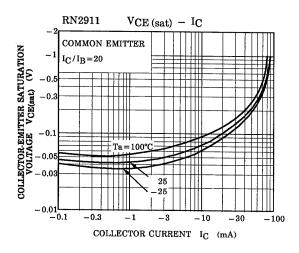


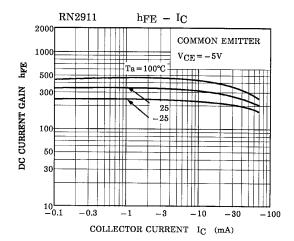


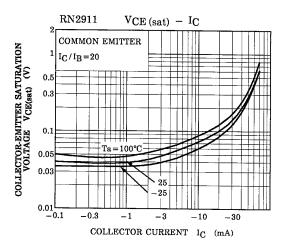














Type Name	Marking	
RN2910	Type Name Y K	
RN2911	Type Name Y M	

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000707EAA

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