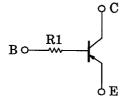
TOSHIBA Transistor Silicon PNP Epitaxial Type (PCT Process)

RN2710,RN2711

Switching, Inverter Circuit, Interface Circuit And Driver Circuit Applications

- Including two devices in USV (ultra super mini type with 5 leads)
- With built-in bias resistors
- Simplify circuit design
- Reduce a quantity of parts and manufacturing process
- Complementary to RN1710~RN1711

Equivalent Circuit

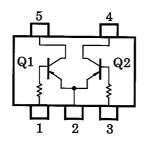


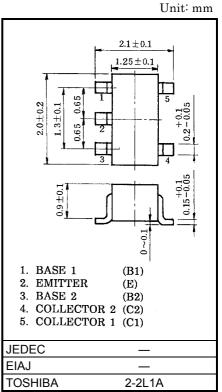
Maximum Ratings (Ta = 25°C)

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	IC	-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)





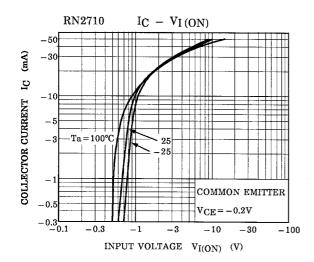
Weight: 6.2mg

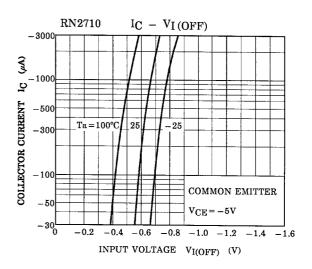


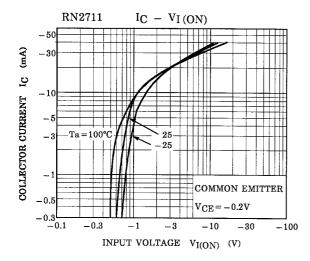
Electrical Characteristics (Ta = 25°C)

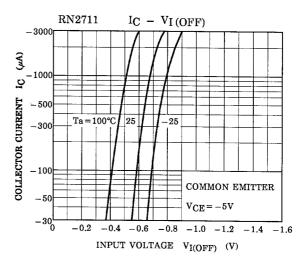
Characteristic		Symbol	Test Circuit	Test Condition	Min	Тур.	Max	Unit
Collector cut-off current		I _{CBO}	_	$V_{CB} = -50V, I_{E} = 0$	_	_	-100	nA
Emitter cut-off current		I _{EBO}	_	$V_{EB} = -5V$, $I_C = 0$	1	-	-100	nA
DC current gain		h _{FE}	_	$V_{CE} = -5V, I_{C} = -1mA$	120	_	400	-
Collector-emitter 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}	_	$V_{CB} = -10V$, $I_{E} = 0$, $f = 1MHz$	_	3	6	pF
Input resistor	RN2710			_	3.29	4.7	6.11	kΩ
	RN2711				7	10	13	

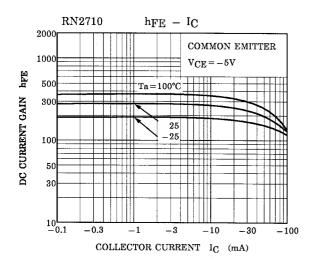
2

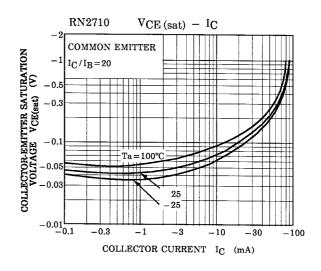


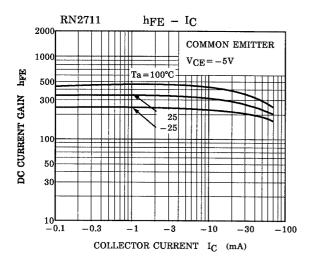


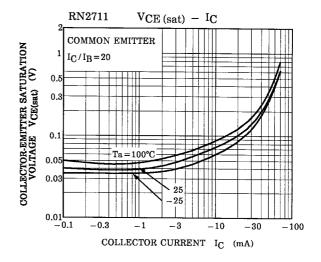












Type Name	Marking	
RN2710	Type Name Y K	
RN2711	Type Name Y M	

2001-06-07

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RESTRICTIONS ON PRODUCT USE

000707EAA

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