

RN2310,RN2311

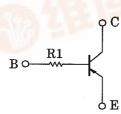
TOSHIBA Transistor Silicon PNP Epitaxial Type (PCT Process)

RN2310,RN2311

Switching, Inverter Circuit, Interface Circuit And Driver Circuit Applications

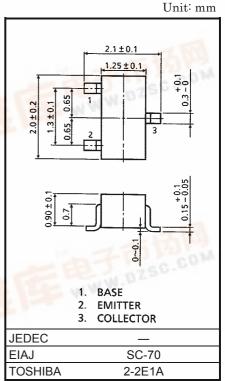
- With built-in bias resistors
- Simplify circuit design
- Reduce a quantity of parts and manufacturing process
- Complementary to RN1310, RN1311

Equivalent Circuit



Maximum Ratings (Ta = 25°C)

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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	۱ _C	-100	mA	
Collector power dissipation	PC	100	mW	
Junction temperature	Tj	150	°C	
Storage temperature range	T _{stg}	-55~150	°C	



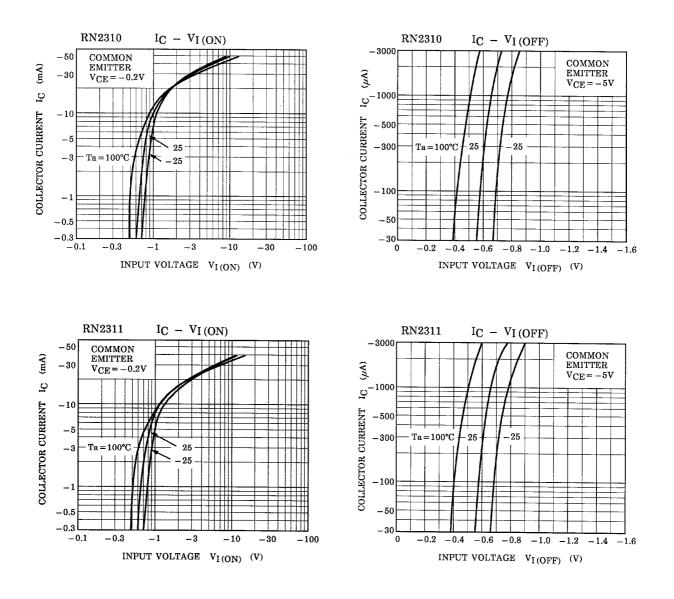
Weight: 0.006g

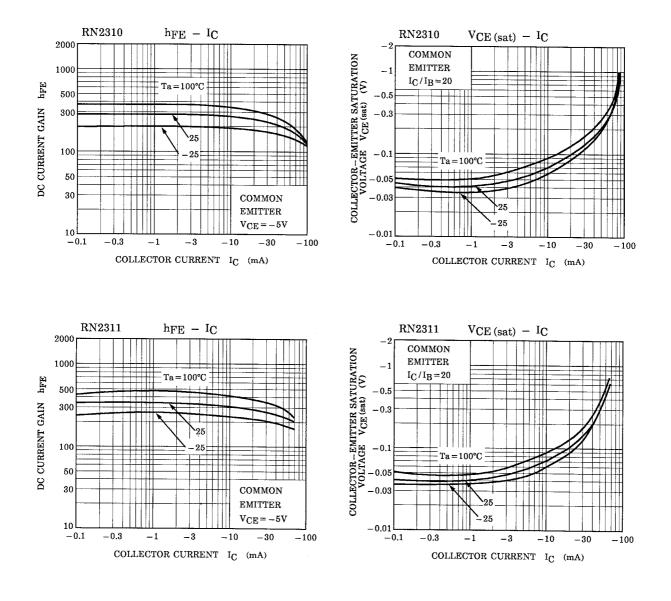
电子市场向 www.ozsc.com

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	, da		-100	nA
Emitter cut-off current		I _{EBO}	_	V _{EB} = -5V, I _C = 0		14.5	-100	nA
DC current gain		h _{FE}	_	$V_{CE} = -5V, I_C = -1mA$	120	_	400	_
Collector-emitter saturation voltage		V _{CE (sat)}	-	I _C <mark>= −5mA, I_B = −0.25mA</mark>	_	-0.1	-0.3	V
Translation Frequency		fT	470 -	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	RN2310	- R1	_	_	3.29	4.7	6.11	kΩ
	RN2311				7	10	13	r.12







Type Name	Marking
RN2310	Type Name Y K
RN2311	Type Name Y M

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