

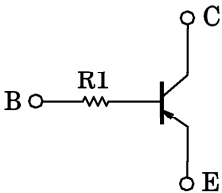
TOSHIBA TRANSISTOR SILICON PNP EPITAXIAL TYPE (PCT PROCESS)

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)

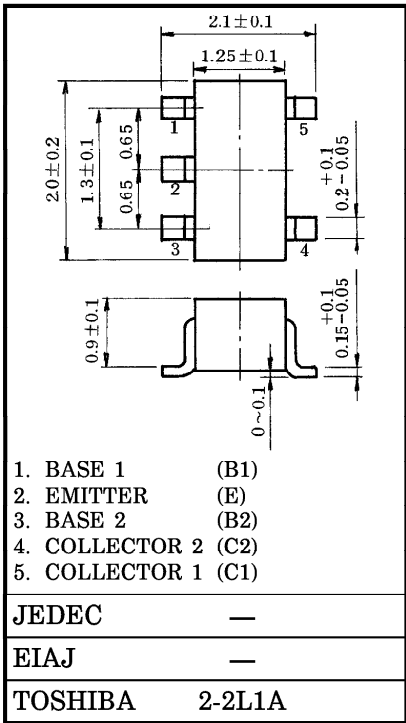
CHARACTERISTIC	SYMBOL	RATING	UNIT
Collector-Base Voltage	V_{CBO}	-50	V
Collector-Emitter Voltage	V_{CEO}	-50	V
Emitter-Base Voltage	V_{EBO}	-5	V
Collector Current	I_C	-100	mA
Collector Power Dissipation	P_C^*	200	mW
Junction Temperature	T_j	150	°C
Storage Temperature Range	T_{stg}	-55~150	°C

* : Total Rating

ELECTRICAL CHARACTERISTICS (Ta = 25°C)

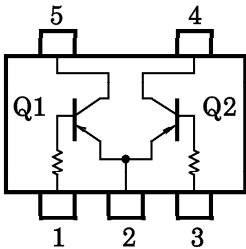
CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Collector Cut-off Current	I_{CBO}	$V_{CB} = -50V, I_E = 0$	—	—	-100	nA
Emitter Cut-off Current	I_{EBO}	$V_{EB} = -5V, I_C = 0$	—	—	-100	nA
DC Current Gain	h_{FE}	$V_{CE} = -5V, I_C = -1mA$	120	—	400	
Collector-Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C = -5mA, I_B = -0.25mA$	—	-0.1	-0.3	V
Transition 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	R1	3.29	4.7	6.11	kΩ
	RN2711		7	10	13	

Unit in mm



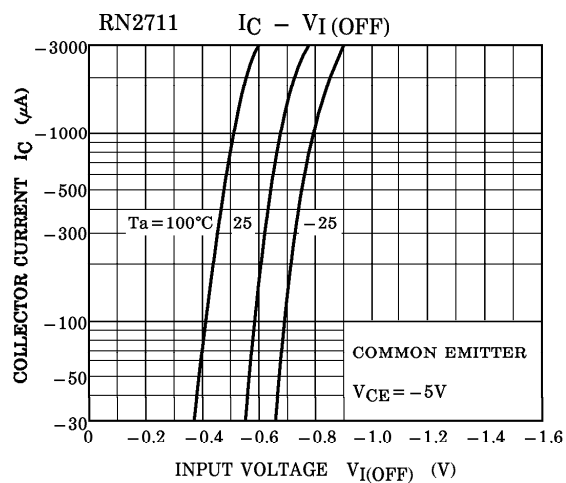
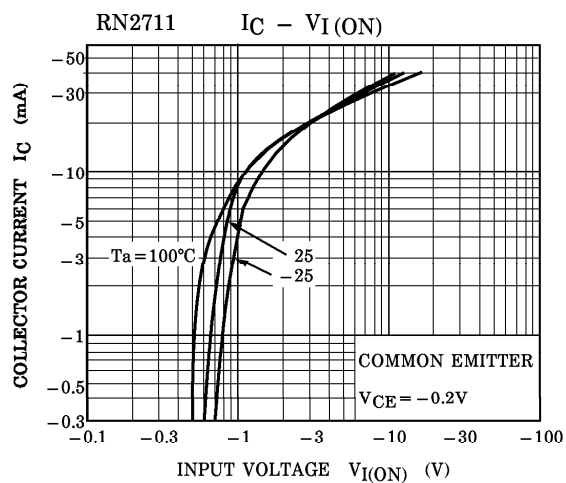
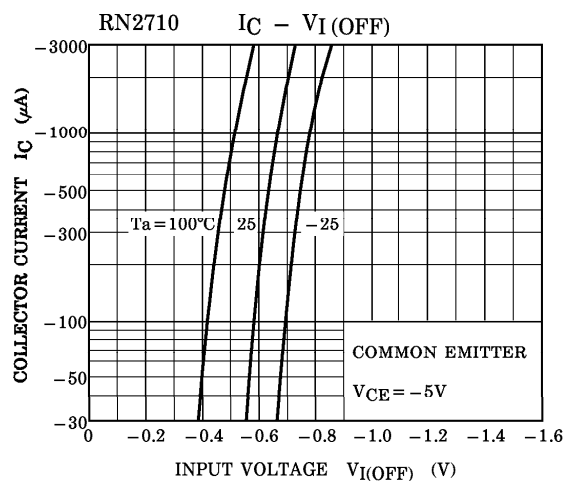
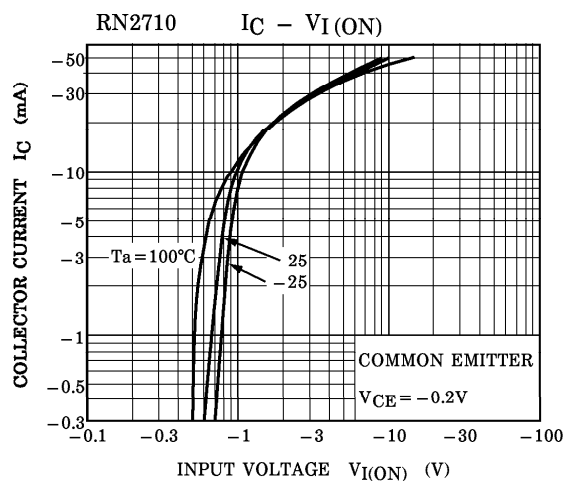
Weight : 6.2mg

EQUIVALENT CIRCUIT (TOP VIEW)



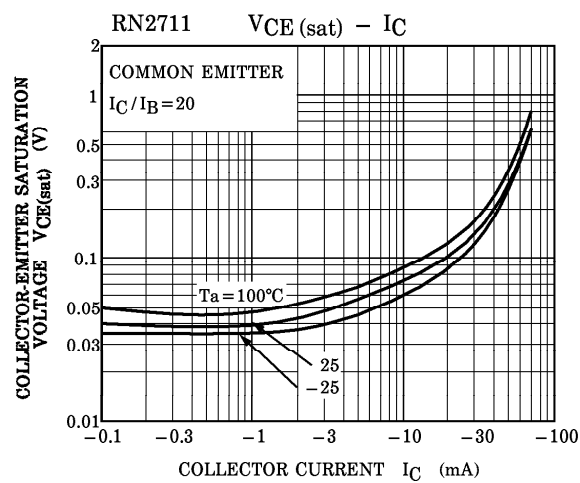
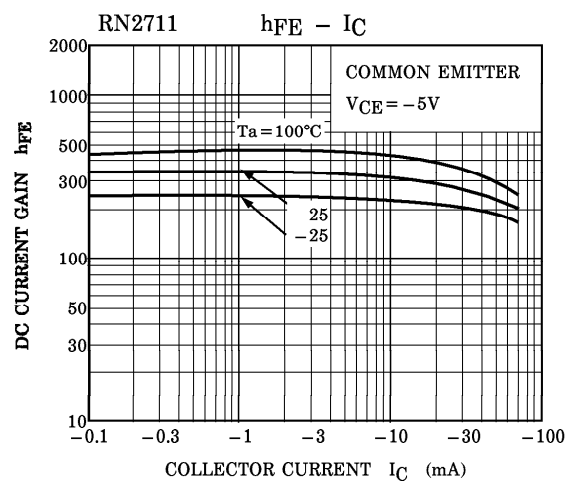
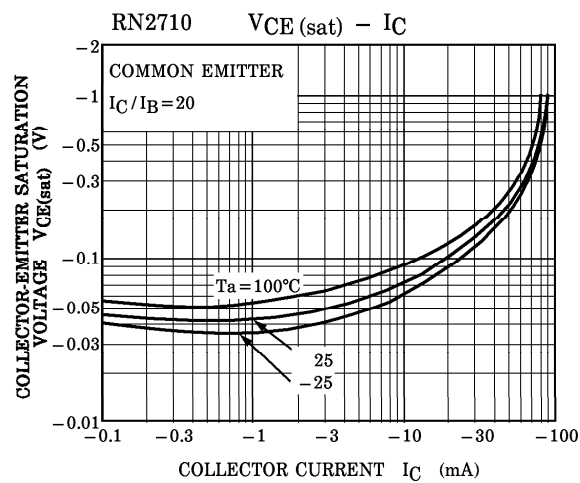
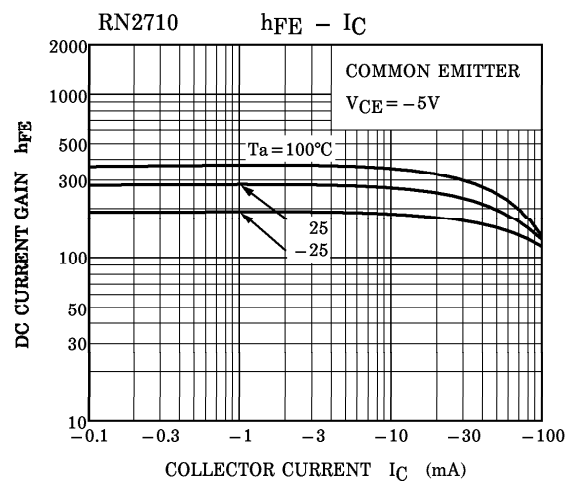
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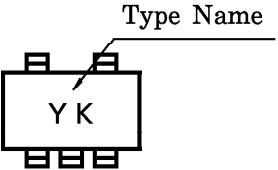
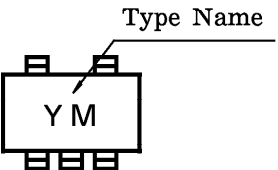
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TYPE NAME	MARKING
RN2710	 A diagram of a rectangular component with four pins. The top-left and top-right pins are labeled with small rectangles. The bottom-left and bottom-right pins are labeled with small rectangles. The text 'Y K' is printed in the center. A line points from the text 'Type Name' to the top-right pin.
RN2711	 A diagram of a rectangular component with four pins. The top-left and top-right pins are labeled with small rectangles. The bottom-left and bottom-right pins are labeled with small rectangles. The text 'Y M' is printed in the center. A line points from the text 'Type Name' to the top-right pin.