

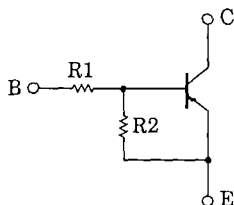
RN2607~RN2609

SILICON PNP EPITAXIAL TYPE

SWITCHING, INVERTER CIRCUIT, INTERFACE CIRCUIT AND DRIVER CIRCUIT APPLICATIONS.

- Including Two Devices in SM6 (Super Mini Type with 6 leads)
- With Built-in Bias Resistors
- Simplify Circuit Design
- Reduce a Quantity of Parts and Manufacturing Process
- Complementary to RN1607~RN1609

EQUIVALENT CIRCUIT AND BIAS RESISTOR VALUES



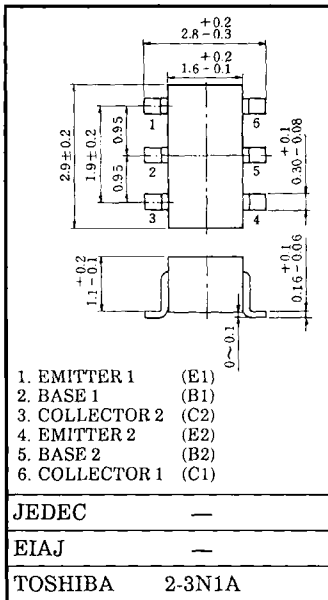
TYPE NO.	R1 (kΩ)	R2 (kΩ)
RN2607	10	47
RN2608	22	47
RN2609	47	22

MAXIMUM RATINGS (Ta = 25°C) (Q1, Q2 COMMON)

CHARACTERISTIC		SYMBOL	RATING	UNIT
Collector-Base Voltage	RN2607~2609	VCBO	-50	V
Collector-Emitter Voltage		VCEO	-50	V
Emitter-Base Voltage	RN2607	VEBO	-6	V
	RN2608		-7	
	RN2609		-15	
Collector Current	RN2607~2609	IC	-100	mA
Collector Power Dissipation		PC*	300	mW
Junction Temperature		Tj	150	°C
Storage Temperature Range		Tstg	-55~150	°C

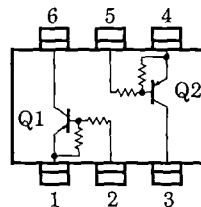
* : Total Rating

Unit in mm



Weight : 0.015g

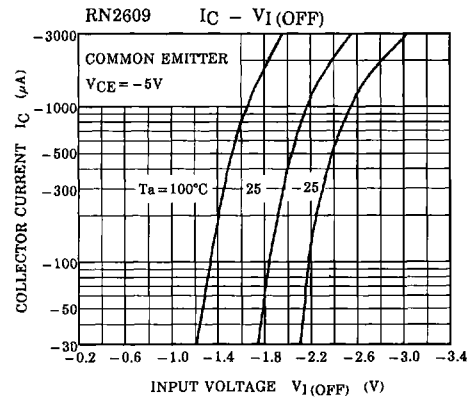
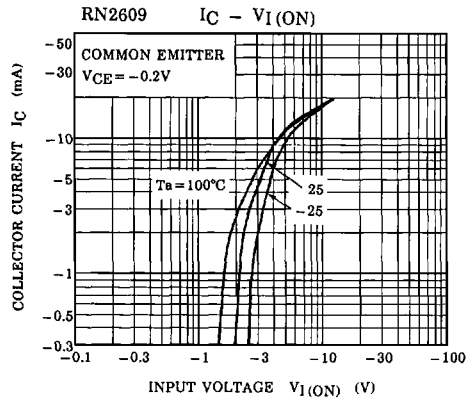
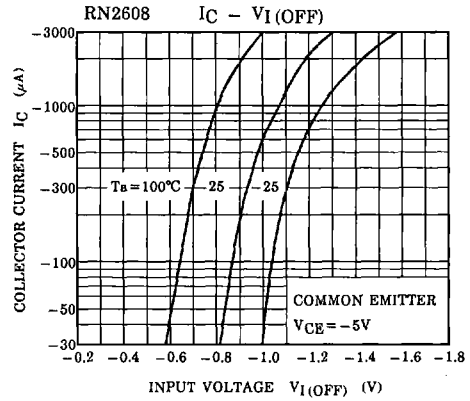
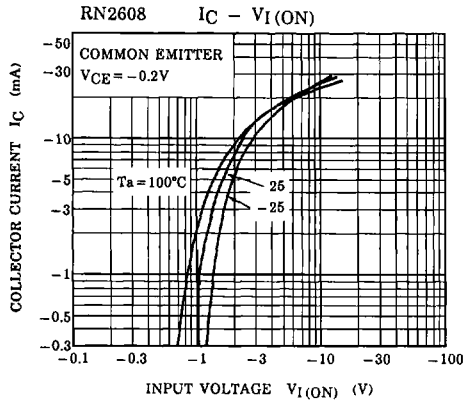
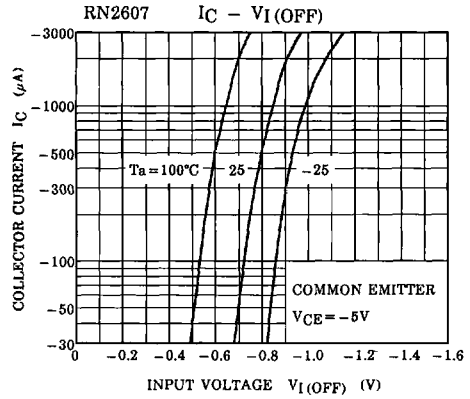
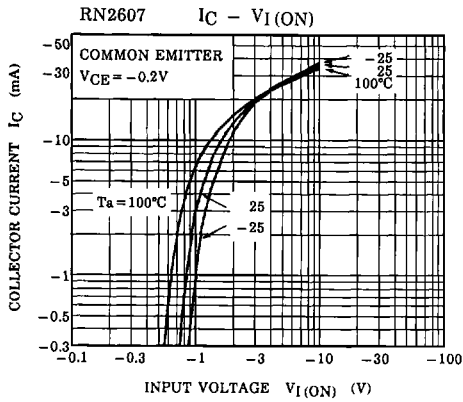
EQUIVALENT CIRCUIT (TOP VIEW)

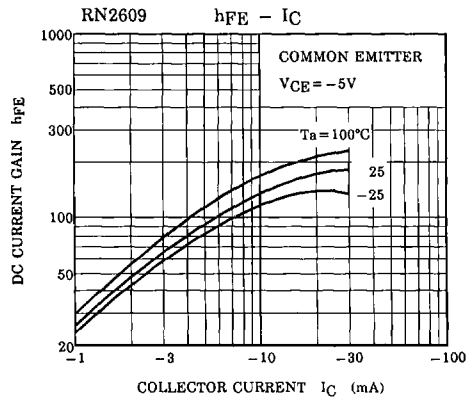
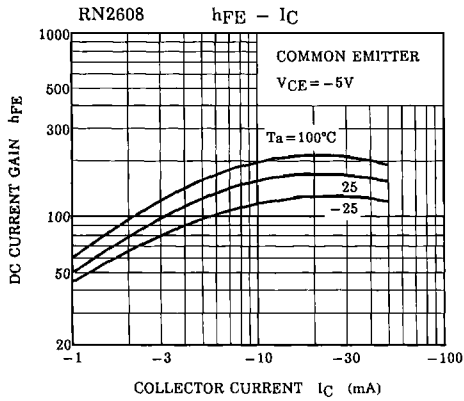
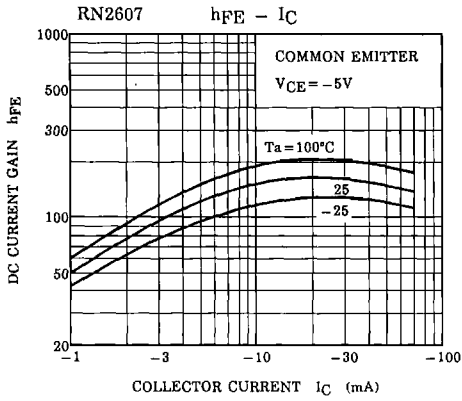


ELECTRICAL CHARACTERISTICS (Ta = 25°C) (Q1, Q2 COMMON)

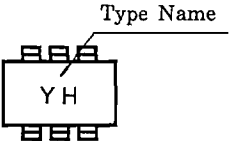
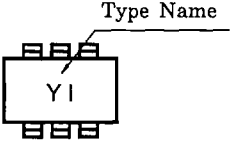
CHARACTERISTIC		SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Collector Cut-off Current	RN2607~2609	ICBO	V _{CB} = -50V, I _E = 0	—	—	-100	nA
		ICEO	V _{CE} = -50V, I _B = 0	—	—	-500	nA
Emitter Cut-off Current	RN2607	IEBO	V _{EB} = -6V, I _C = 0	-0.081	—	-0.15	mA
	RN2608			-0.078	—	-0.145	
	RN2609			-0.167	—	-0.311	
DC Current Gain	RN2607	h _{FE}	V _{CE} = -5V, I _C = -10mA	80	—	—	
	RN2608			80	—	—	
	RN2609			70	—	—	
Collector-Emitter Saturation Voltage	RN2607~2609	V _{CE(sat)}	I _C = -5mA, I _B = -0.25mA	—	-0.1	-0.3	V
Input Voltage (ON)	RN2607	V _{I(ON)}	V _{CE} = -0.2V, I _C = -5mA	-0.7	—	-1.8	V
	RN2608			-1.0	—	-2.6	
	RN2609			-2.2	—	-5.8	
Input Voltage (OFF)	RN2607	V _{I(OFF)}	V _{CE} = -5V, I _C = -0.1mA	-0.5	—	-1.0	V
	RN2608			-0.6	—	-1.16	
	RN2609			-1.5	—	-2.6	
Transition Frequency	RN2607~2609	f _T	V _{CE} = -10V, I _C = -5mA	—	200	—	MHz
Collector Output Capacitance	RN2607~2609	C _{ob}	V _{CB} = -10V, I _E = 0 f = 1MHz	—	3	6	pF
Input Resistor	RN2607	R1	—	7	10	13	kΩ
	RN2608			15.4	22	28.6	
	RN2609			32.9	47	61.1	
Resistor Ratio	RN2607	R1 / R2	—	0.191	0.213	0.232	
	RN2608			0.421	0.468	0.515	
	RN2609			1.92	2.14	2.35	

RN2607~RN2609





RN2607~RN2609

TYPE NAME	MARKING
RN2607	
RN2608	
RN2609	