

SANYO

No. 1615B

2SC3637

NPN Triple Diffused Planar Silicon Transistor
 VERY HIGH-DEFINITION DISPLAY
 HORIZONTAL DEFLECTION OUTPUT APPLICATIONS

Features

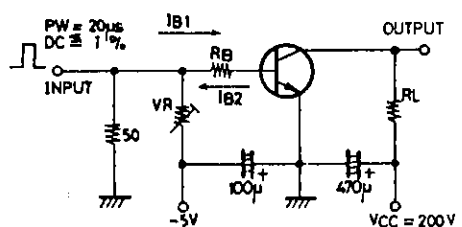
- High reliability (Adoption of HVP process)
- Fast speed.
- High breakdown voltage.
- Adoption of MBIT process.

Absolute Maximum Ratings at $T_a=25^\circ\text{C}$

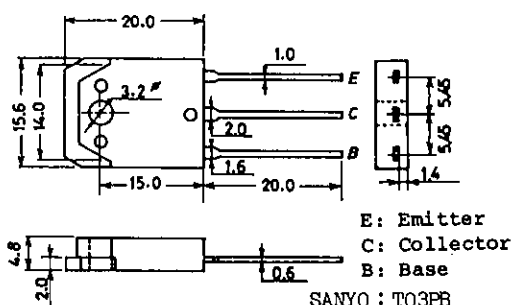
			unit
Collector-to-Base Voltage	V_{CB0}	900	V
Collector-to-Emitter Voltage	V_{CE0}	500	V
Emitter-to-Base Voltage	V_{EB0}	7	V
Collector Current	I_C	10	A
Peak Collector Current	i_{cp}	20	A
Collector Dissipation	P_C	90	W
Junction Temperature	T_j	150	$^\circ\text{C}$
Storage Temperature	T_{stg}	-55 to +150	$^\circ\text{C}$

Electrical Characteristics at $T_a=25^\circ\text{C}$

			min	typ	max	unit
Collector Cutoff Current	I_{CBO}	$V_{CB}=500\text{V}, I_E=0$			10	μA
	I_{CES}	$V_{CE}=900\text{V}, R_{BE}=0$			0.5	mA
Collector-to-Emitter Sustain Voltage	$V_{CE0(sus)}$	$I_C=100\text{mA}, I_B=0$	500			V
Emitter Cutoff Current	I_{EBO}	$V_{EB}=5\text{V}, I_C=0$			1	mA
Collector-to-Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C=5\text{A}, I_B=1\text{A}$			2	V
Base-to-Emitter Saturation Voltage	$V_{BE(sat)}$	$I_C=5\text{A}, I_B=1\text{A}$			1.5	V
DC Current Gain	h_{FE}	$V_{CE}=5\text{V}, I_C=1\text{A}$	8			
Storage Time	t_{stg}	$I_C=5\text{A}, I_{B1}=1\text{A}, I_{B2}=-2\text{A}$			3.0	μs
Fall Time	t_f	$I_C=5\text{A}, I_{B1}=1\text{A}, I_{B2}=-2\text{A}$		0.1	0.2	μs

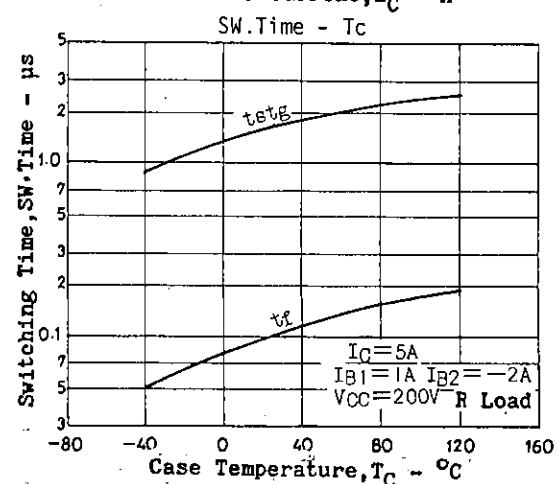
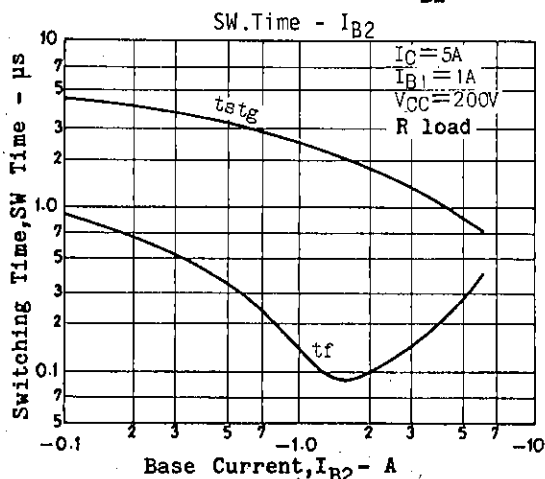
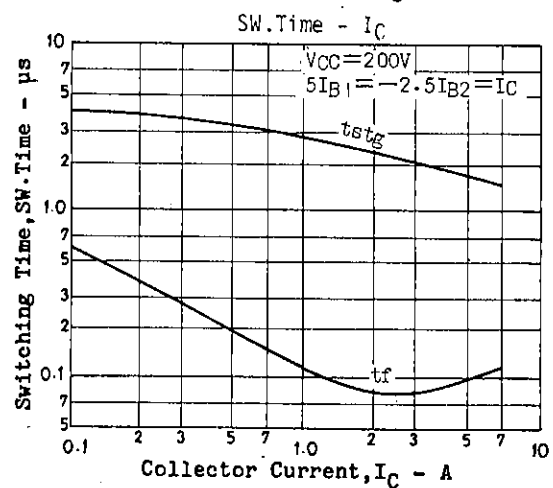
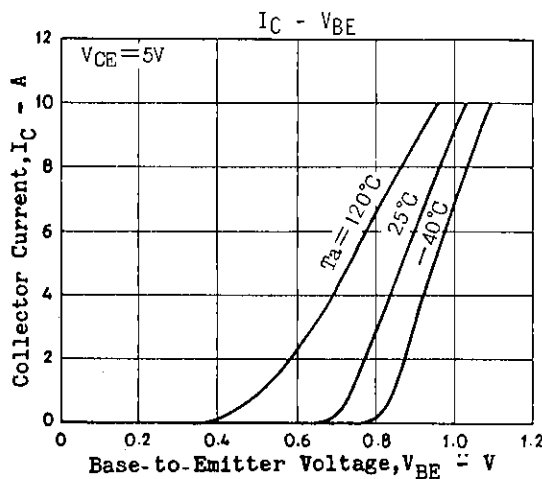
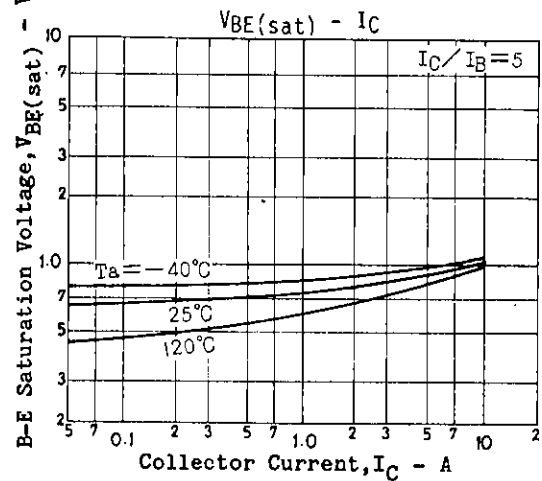
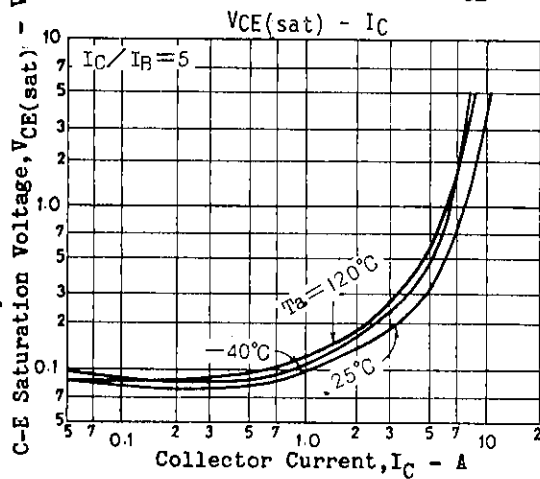
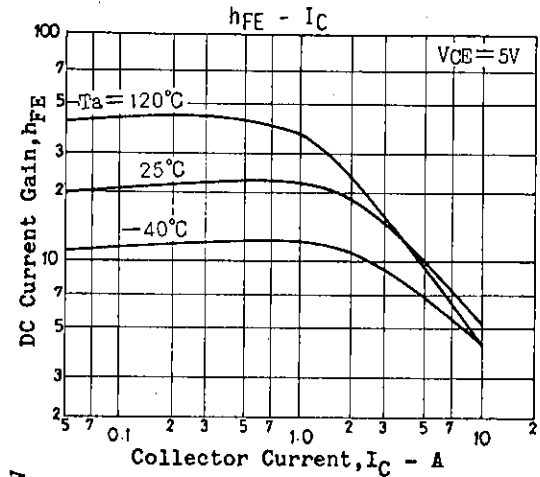
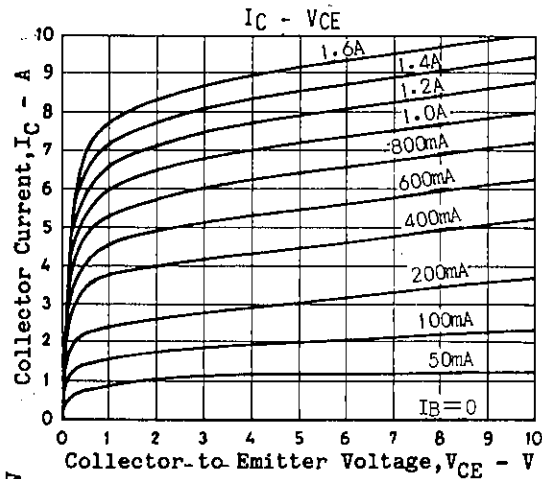
Switching Time Test CircuitUnit (resistance: Ω , capacitance: F)**Package Dimensions 2022**

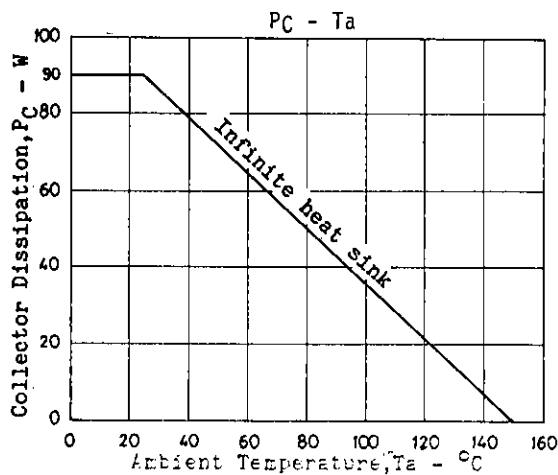
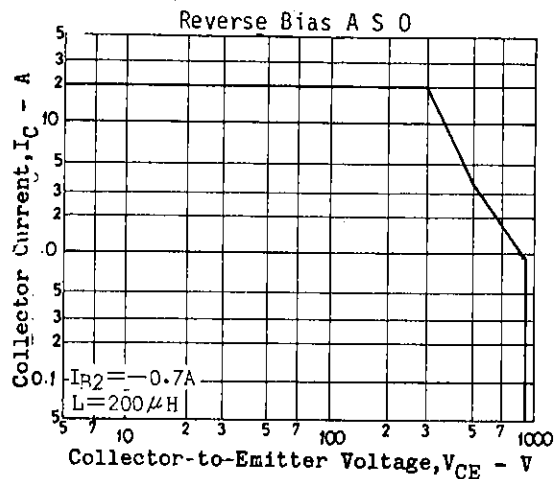
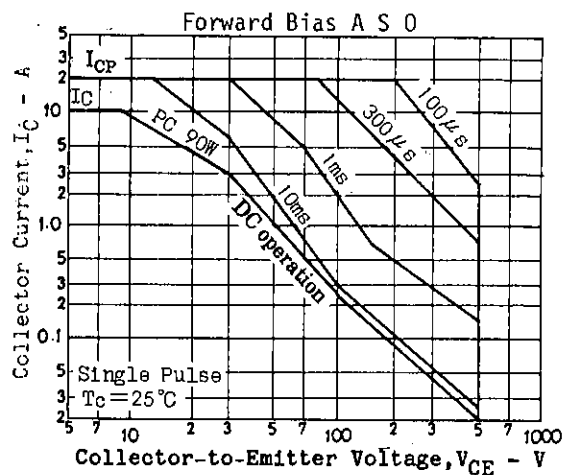
(unit: mm)



SANYO Electric Co., Ltd. Semiconductor Business Headquarters
 TOKYO OFFICE Tokyo Bldg., 1-10, 1 Chome, Ueno, Taito-ku, TOKYO, 110 JAPAN

4227KI/3095KI/N194KI, TS No. 1615-1/3





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