2SA1210



T-27-21

PNP/NPN Epitaxial Planar Silicon Transistors

2SC2912

High Voltage Switching, AF 150W Predriver Applications

©780C

- Features
 - Adoption of FBET process
 - High breakdown voltage
 - Good linearity of hFE and small cob
 - · Fast switching speed

(): 2SA1210

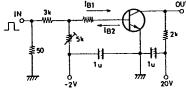
Absolute Maximum Ratings/T _a = 25°C				unit
Collector to base voltage	VCBO		(-)200	V
Collector to emitter voltage	VCEO		(-)200	V
Emitter to base voltage	VEBO		()5	V
Collector current	lc		(-)140	mΑ
Peak collector current	i _{cp}		()200	mΑ
Collector dissipation	PĊ		1	W
		T _C = 25°C	10	W
Junction temperature	Τį		150	°C
Storage temperature	Tstg		55 ∼ +150	°C

		!		unit
		min typ		
Ісво	$V_{CB} = (-)160, I_{E} = 0$		(-)0.1	μΑ
IEBO	$VFR = (-)4 V \cdot IC = 0$		()0.1	μΑ
hFE	VCE = (-)5 V, IC = (-) 10 mA	100*	400*	, ,
fr	VCE = (-)10 V, IC = (-) 10 mA	150)	MHz
cob	VCB = (-)10 V, f = 1 MHz	(4.0))	рF
		3.0		
ge VCE(sat)	IC = (-)50 mA, IB = (-)5 mA	(-0.14)	(-0.4)	٧
		0.07	0,3	
Ton	At specified test circuit	0.1		μs
teta	At specified test circuit	1.5	;	μs
tf	At specified test circuit	0.1		μs
	IEBO hFE fT cob ge VCE(sat) Ton tstg	IEBO		$ \begin{array}{cccccccccccccccccccccccccccccccccccc$

*: The 2SA1210/2SC2912 are classified by 10 mA hpe as follows:

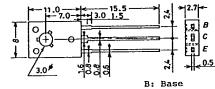
100	R	200	1	40	s	280	200	T	400

Switching Time Test Curcuit



 $I_C = 10I_{B1} = -10I_{B2} = 10mA$ (For PNP, the polarity is reversed.)

Case Outline 2009A (unit: mm)



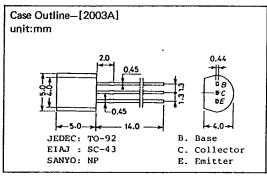
JEDEC: TO-126 C: Collector
E: Emitter

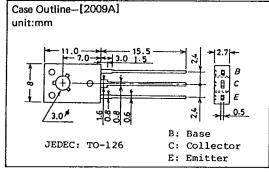
For details, refer to the description of the 2SC2912.

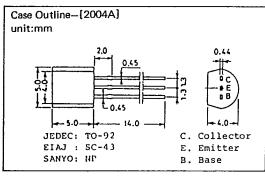
3187AT/3135KI/0193KI, TS " No. 780-1/3

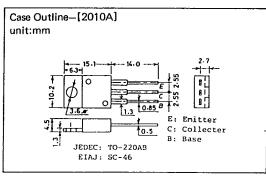
CASE OUTLINES AND ATTACHMENTS

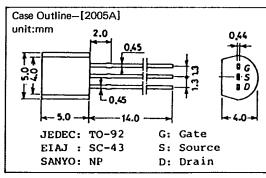
- •All of Sanyo Transistor case outlines are illustrated below.
- All dimensions are in mm, and dimensions which are not followed by min. or max. are represented by typical values.
- ●No marking is indicated.

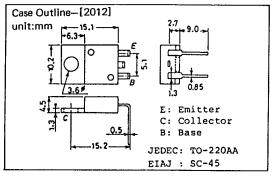


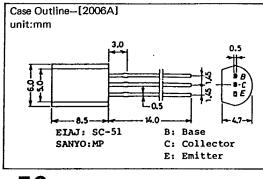


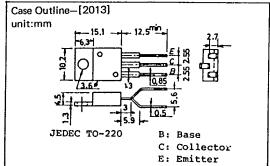


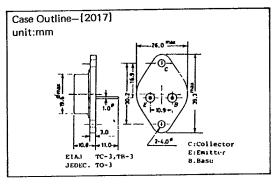


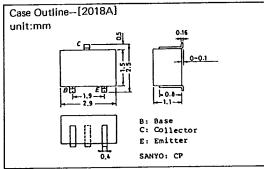


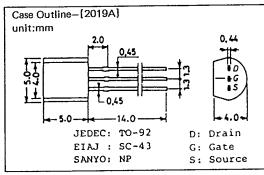


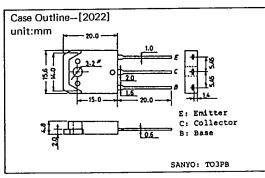


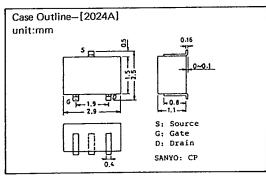


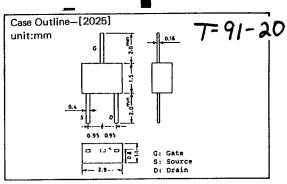


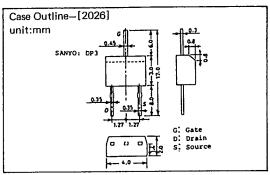


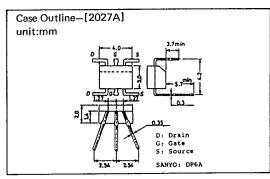


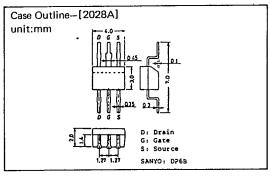


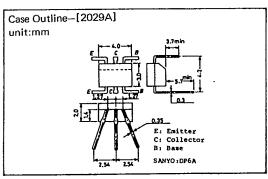


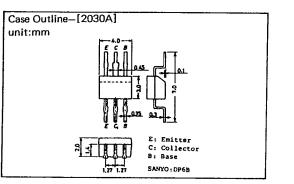


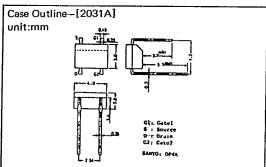


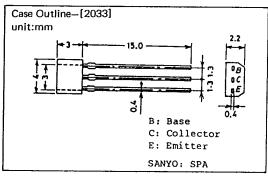


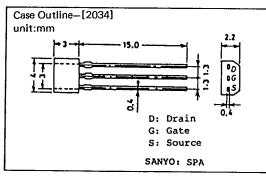


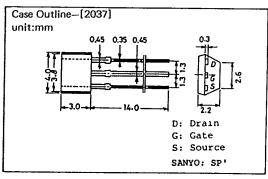


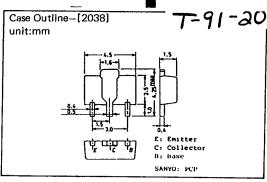


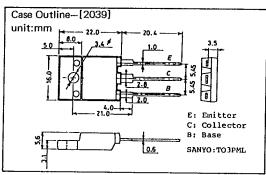


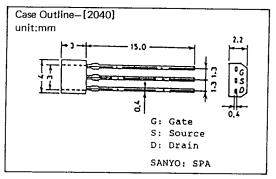


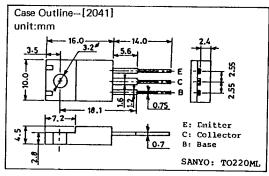


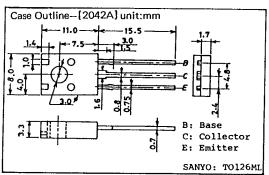


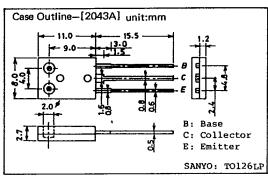


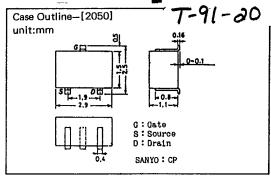


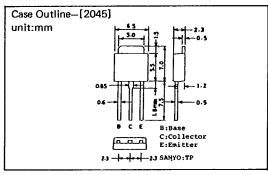


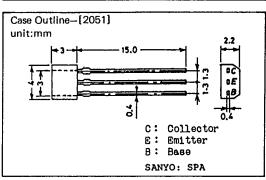


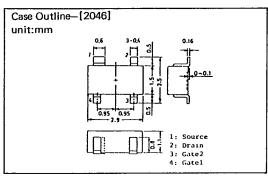


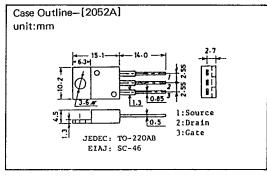


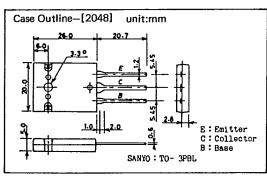


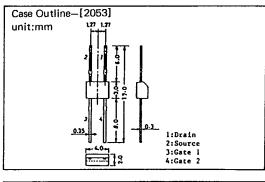


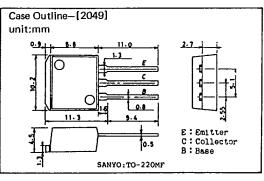


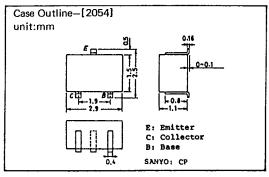


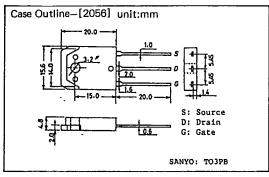


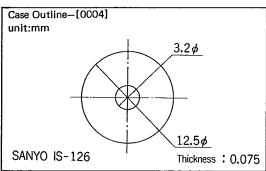


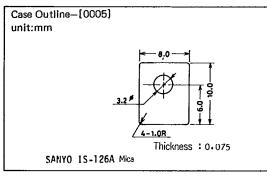


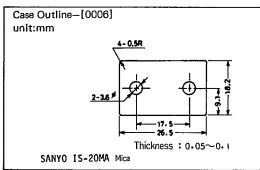


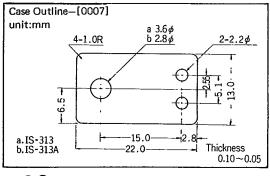


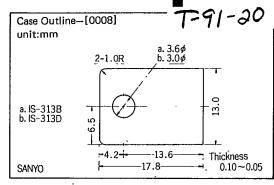


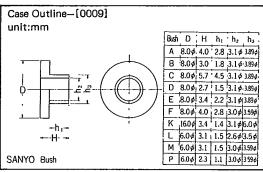


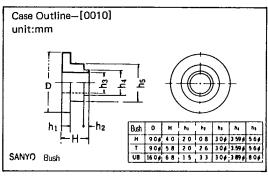


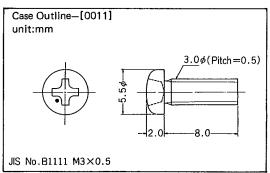


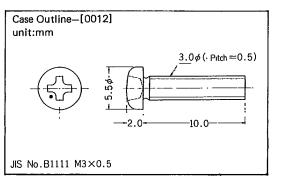












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