# 2SA1210



-27-21

PNP/NPN Epitaxial Planar Silicon Transistors

2SC2912

# High Voltage Switching, AF 150W Predriver Applications

# (E)780C

- Adoption of FBET process
- Good linearity of hee and small cob W.100Y.COM.TW
  - Fast switching speed

#### ): 2SA1210

unit
V
٧
٧
mΑ
mA
W
W
°C
°C
1

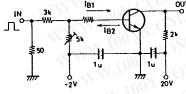
E	ectrical Characteristics/T <sub>a</sub> = 25°C			min	typ	max	unit	
	Collector cutoff current	ICBO	$V_{CB} = (-)160, I_{E} = 0$			(-)0.1	μΑ	
	Emitter cutoff current	IEBO	VEB = (-)4 V, IC = 0			()0.1	μΑ	
	Common emitter DC current gain	hFE	VCE = (-)5 V, IC = (-) 10 mA	100*		400*		
	Gain band-width product	fr	VCE = (-)10  V, IC = (-) 10  mA		150		MHz	
	Common base output capacitance	Cob	VCB = (-)10 V, f = 1 MHz		(4.0)		рF	
	WWW TON		1001.		3.0			
	Collector to emitter saturation voltage	VCE(sat)	IC = (-)50  mA, IB = (-)5  mA	1 (-	-0.14	(-0.4)	V	
	MAL TOOK OF TANK	O'L (SUL)	NY TIOOTE MITH		0.07	0,3		
	Turn-on time	Ton	At specified test circuit		0.1		μs	
	Storage time	t <sub>stg</sub>	At specified test circuit		1.5		μs	
	Fall time	tf	At specified test circuit		0.1		μs	

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

					- 4 /			
100	R	200	140	s	280	200	Т	400

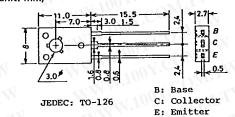
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#### **Switching Time Test Curcuit**



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

#### Case Outline 2009A (unit: mm)



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

3187AT/3135KI/0193KI, TS 4 No. 780-1/3 WWW.100Y.COM.TW

# T-91-20

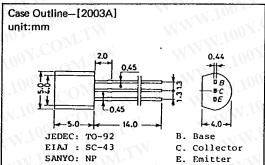
### CASE OUTLINES AND ATTACHMENTS

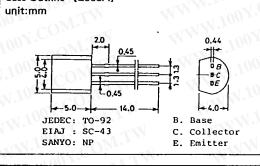
- •All of Sanyo Transistor case outlines are illustrated below.
- All dimensions are in mm, and dimensions which are not followed by min. or max. are represented by typical values.

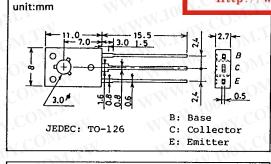
Case Outline-[2009A]

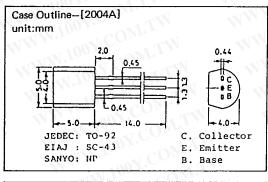
●No marking is indicated.

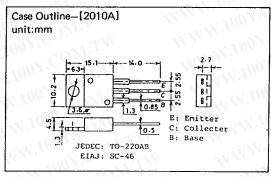
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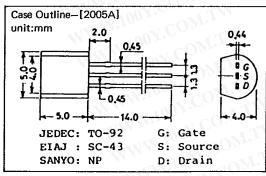


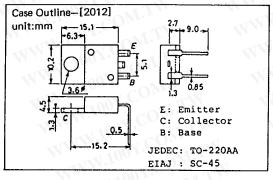


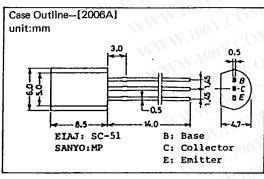


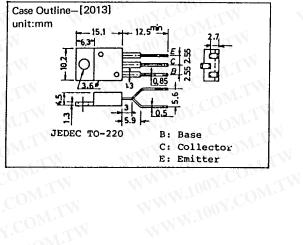




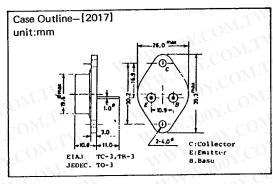


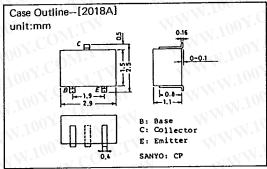


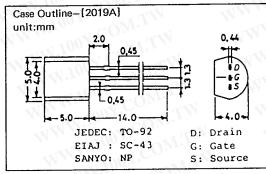


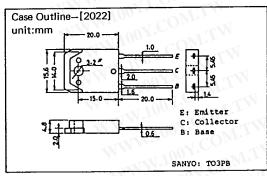


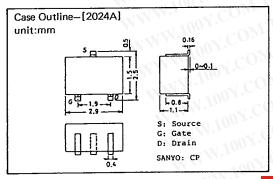
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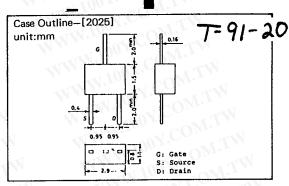


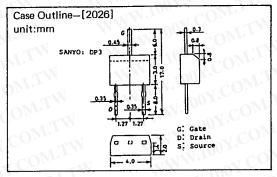


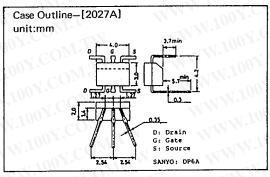


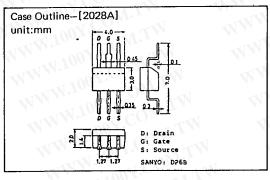


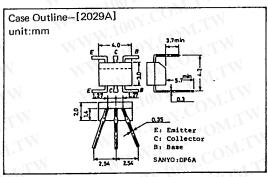




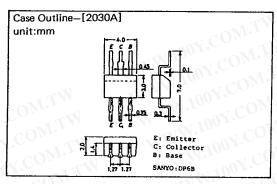


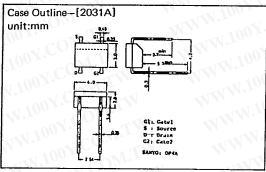


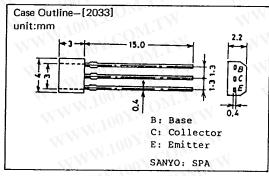


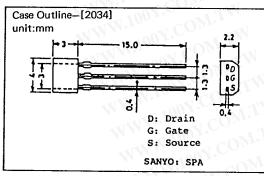


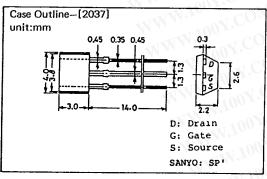
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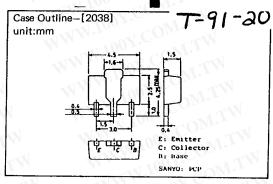


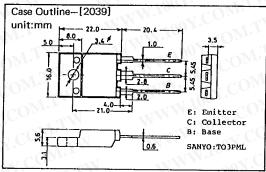


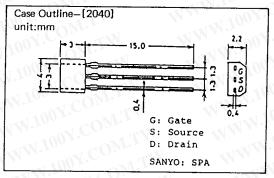


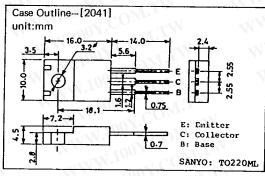


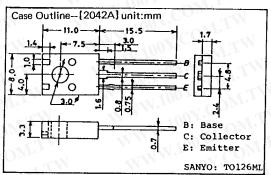






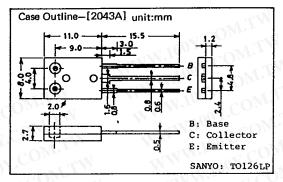


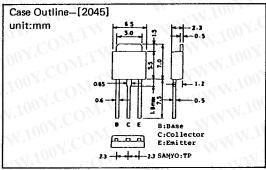


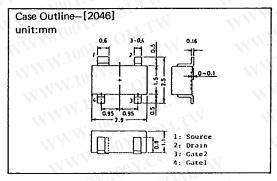


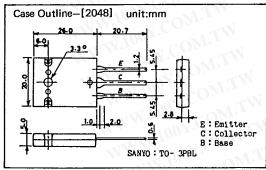
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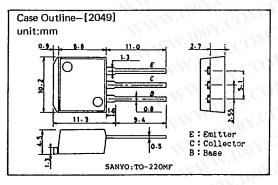


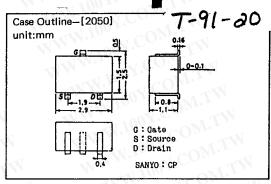


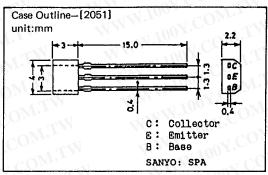


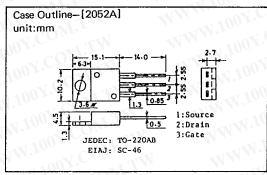


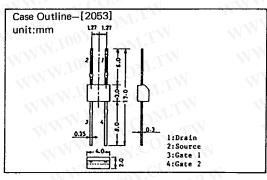


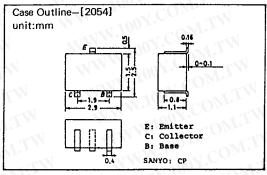




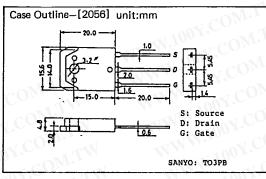


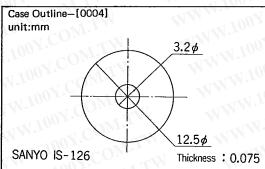


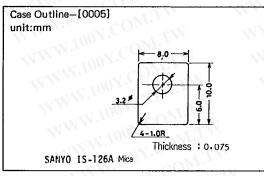


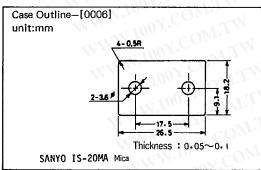


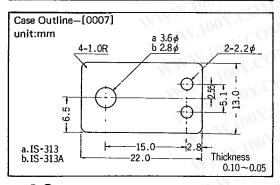
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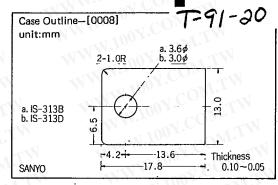


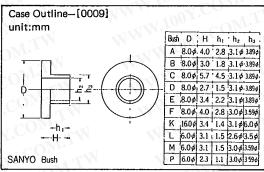


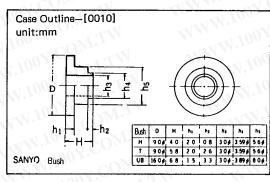


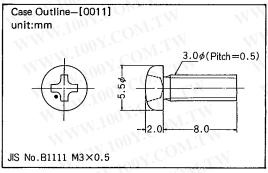


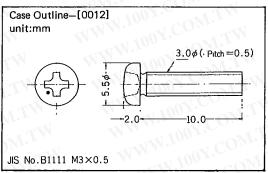
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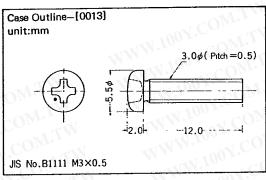


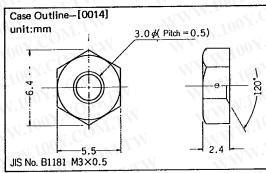


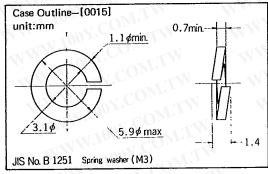


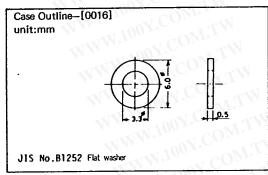


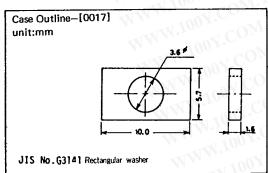
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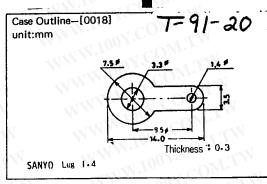


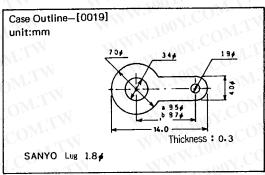


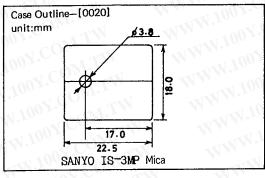


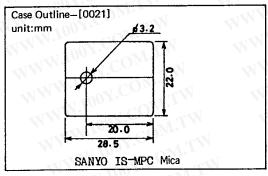


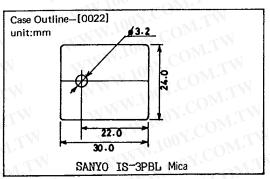












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