

No.1600A

2SA1318/2SC3331

PNP/ NPN Epitaxial Planar Silicon Transistors

AF Amp Applications

Use

. Capable of being used in the low frequency to high frequency range.

Features

. Large current capacity and wide ASO.

(): 2SA1318

Absolute Maximum Ratings at Ta=2	5 ^O C			unit
Collector to Base Voltage	v_{CBO}		(-)60	V
Collector to Emitter Voltage	VCEO		(-)50	, v
Emitter to Base Voltage	V _{EBO}		(-)6	V
Collector Current	IC	The American State of the State	(-)200	mA
Collector Current (Pulse)	I_{CP}		(-)400	mA
Collector Dissipation	PC		500	mW
Junction Temperature	Τj	W.	150	· °C
Storage Temperature	Tstg		-55 to +150	°c

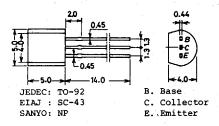
F	Collector Cutoff Current Emitter Cutoff Current DC Current Gain	Ta=25°C I _{CBO} I _{EBO} hFE(1)	V _{CB} =(-)40V,I _E =0 V _{EB} =(-)5V,I _C =0 V _{CE} =(-)6V,I _C =(-)1mA	min 100 [#] (100)	typ max (-)0.1 (-)0.1 800 (560)	
	Gain-Bandwidth Product Output Capacitance	hFE(2) fT cob	V _{CE} =(-)6V,I _C =(-)0.1m V _{CE} =(-)6V,I _C =(-)10mA V _{CB} =(-)6V,f=1MHz	A 70	200 3.0	MHz pF

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* The 2SA1318/2SC3331 are classified by 1mA $\rm h_{FE}$ as follows:

2SA1318	100	R	200	140	s	280	200	T	400	280	U	560			
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2SC3331	100	R	200	140	S	280	200	T	400	280	Ū	560	400	V	800

Case Outline 2003A (unit:mm)

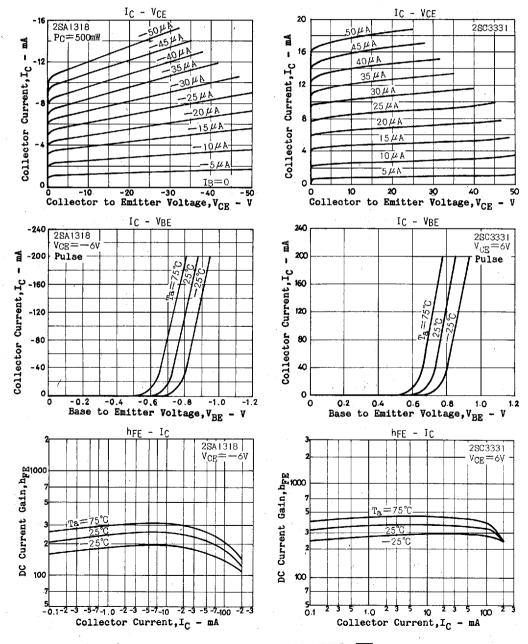


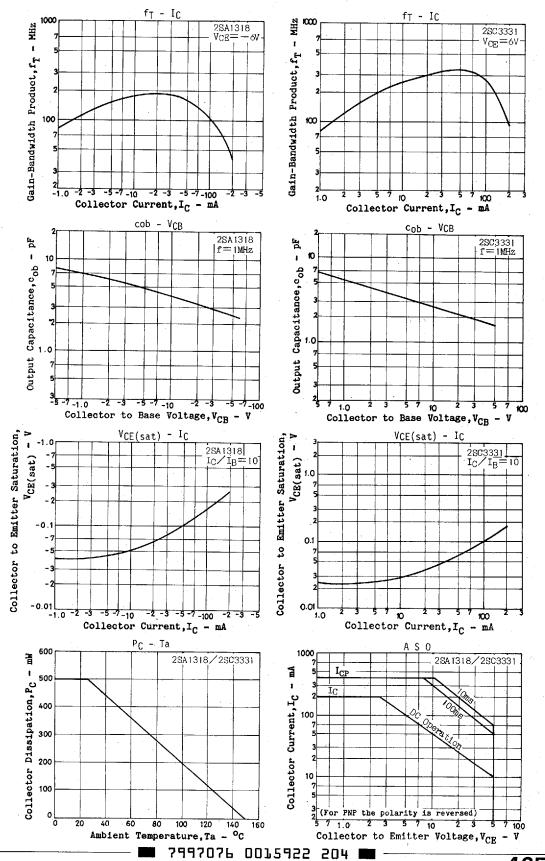
Specifications and information herein are subject to change without notice.

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

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			min	typ max	unit
Collector to Emitter	V _{CE(sat)}	I _C =(-)100mA, I _B =(-)10mA		(-)0.3	V
Saturation Voltage		$I_{R}=(-)10mA$			
Base to Emitter	V _{BE} (sat)	I _C =(-)100mA,		(-)1.0	V
Saturation Voltage	22(200)	I _B =(-)10mA			
Collector to Base	V(BR)CBO	$I_{C}^{-}=(-)10\mu A, I_{E}=0$	(-)60		V
Breakdown Voltage		_			
Collector to Emitter	V(BR)CEO	$I_{C}=(-)$ 1mA, $R_{BE}=\infty$	(-)50		V
Breakdown Voltage					
Emitter to Base	V(BR)EBO	I_{E} =(-)10 μ A, I_{C} =0	(-)6		· V
Breakdown Voltage	,,,	_ ,			





CASE OUTLINES OF LEAD FORMED SMALL SIGNAL TRANSISTORS

- All of Sanyo lead formed small signal 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.

