

SANYO**2SA1208/2SC2910****High-Voltage Switching
Audio 80W Output Predriver Applications****Features**

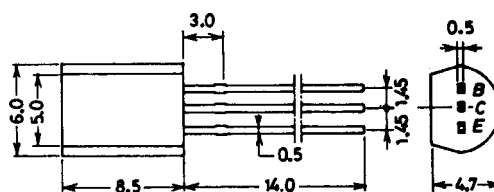
- Adoption of FBET process.
- High breakdown voltage.
- Excellent linearity of h_{FE} and small C_{ob} .
- Fast switching speed.

Package Dimensions

unit:mm

2006A

[2SA1208/2SC2910]



EIAJ:SC-51

SANYO:MP

B:Base

C:Collector

E:Emitter

() : 2SA1208

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

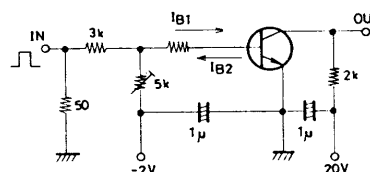
Parameter	Symbol	Conditions	Ratings	Unit
Collector-to-Base Voltage	V_{CBO}		(-)180	V
Collector-to-Emitter Voltage	V_{CEO}		(-)160	V
Emitter-to-Base Voltage	V_{EBO}		(-)5	V
Collector Current	I_C		(-)70	mA
Collector Current (Pulse)	I_{CP}		(-)140	mA
Collector Dissipation	P_C		900	mW
Junction Temperature	T_j		150	$^\circ\text{C}$
Storage Temperature	T_{stg}		-55 to +150	$^\circ\text{C}$

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

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Collector Cutoff Current	I_{CBO}	$V_{CB}=(-)80\text{V}, I_E=0$			(-)0.1	μA
Emitter Cutoff Current	I_{EBO}	$V_{EB}=(-)4\text{V}, I_C=0$			(-)0.1	μA
DC Current Gain	h_{FE}	$V_{CE}=(-)5\text{V}, I_C=(-)10\text{mA}$	100*		400*	
Gain-Bandwidth Product	f_T	$V_{CE}=(-)10\text{V}, I_C=(-)10\text{mA}$		150		MHz
Output Capacitance	C_{ob}	$V_{CB}=(-)10\text{V}, f=1\text{MHz}$		(2.5)2.0		pF
Collector-to-Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C=(-)30\text{mA}, I_B=(-)3\text{mA}$		0.08 (-0.14)	0.3 (-0.4)	V
Turn-ON Time	t_{on}	See specified Test Circuit		0.1		μs
Fall Time	t_f	See specified Test Circuit		0.2		μs
Storage Time	t_{stg}	See specified Test Circuit		1.0		μs

* : The 2SA1208/2SC2910 are classified by 10mA h_{FE} are follows :

100	R	200	140	S	280	200	T	400
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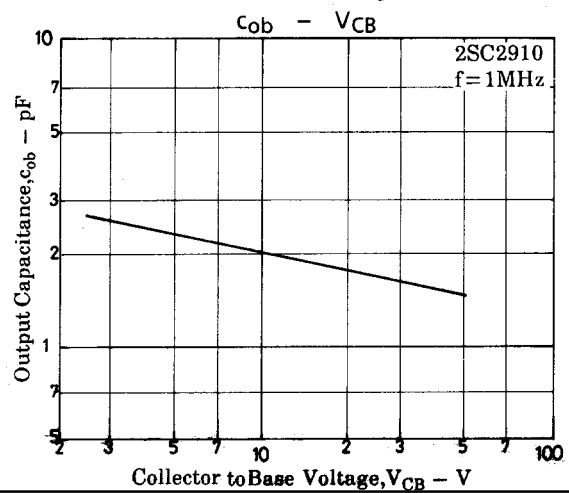
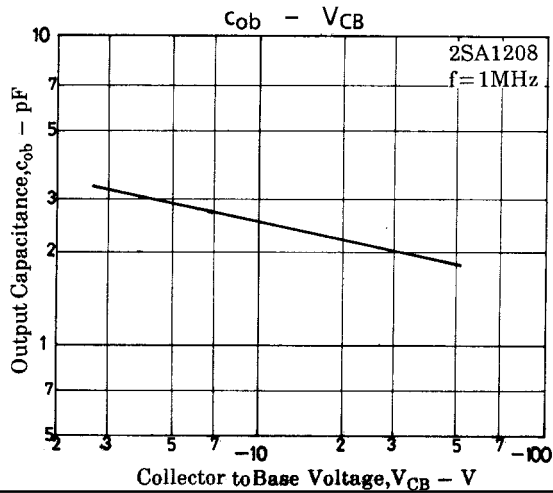
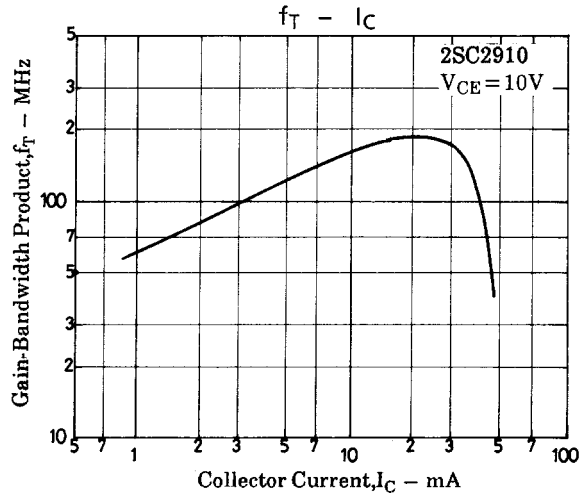
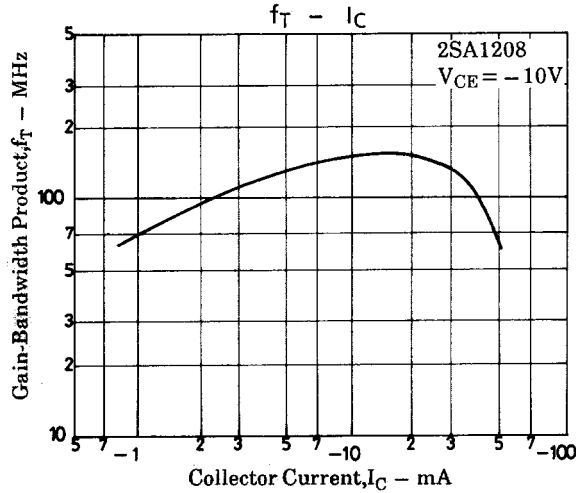
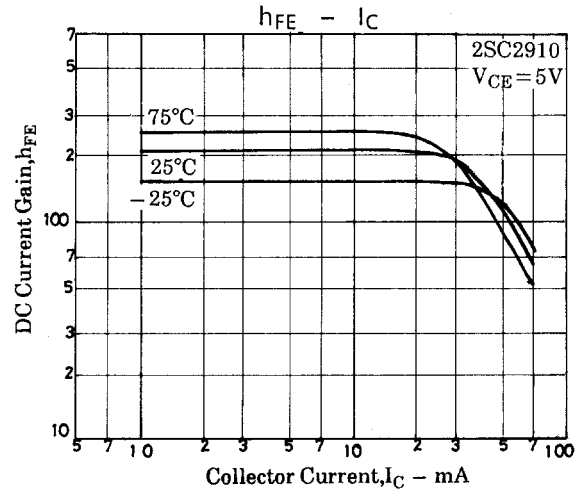
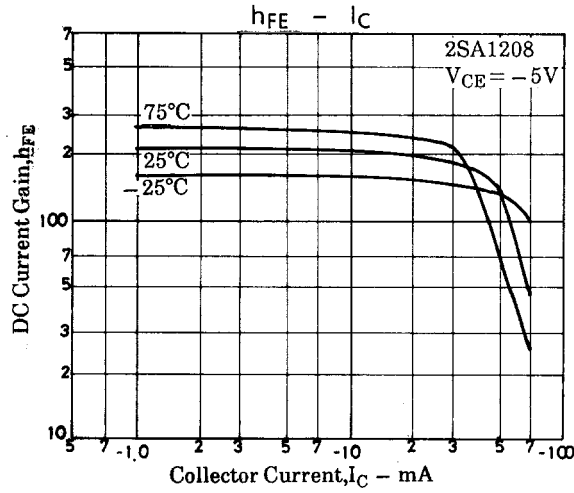
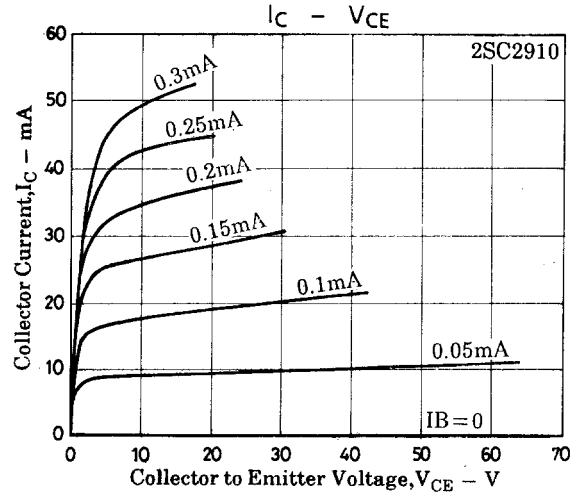
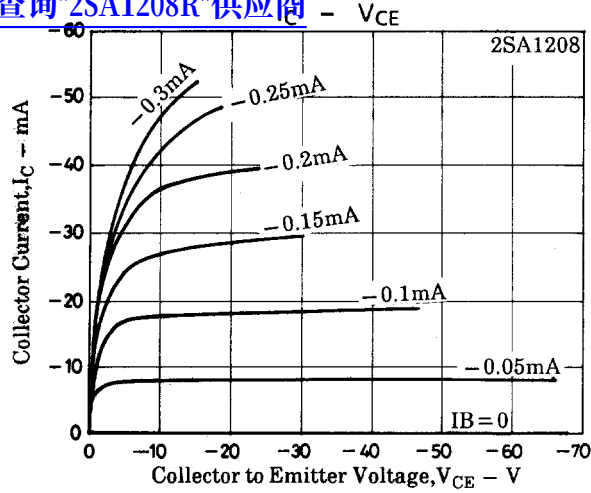
Switching Time Test Circuit $I_C=10I_{B1}=-10I_{B2}=10\text{mA}$ (For PNP, the polarity is reversed)Unit (resistance : Ω , capacitance : F)**SANYO Electric Co.,Ltd. Semiconductor Business Headquarters**

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71598HA (KT)/8270MH/6080MO/3187AT/3125KI/0193KI, TS(KOTO) No.781-1/4

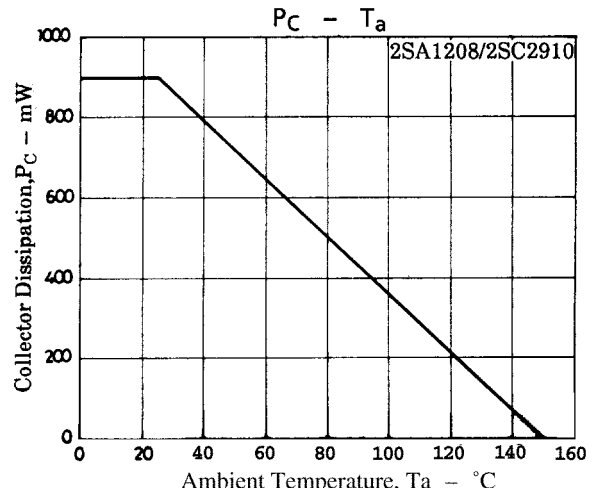
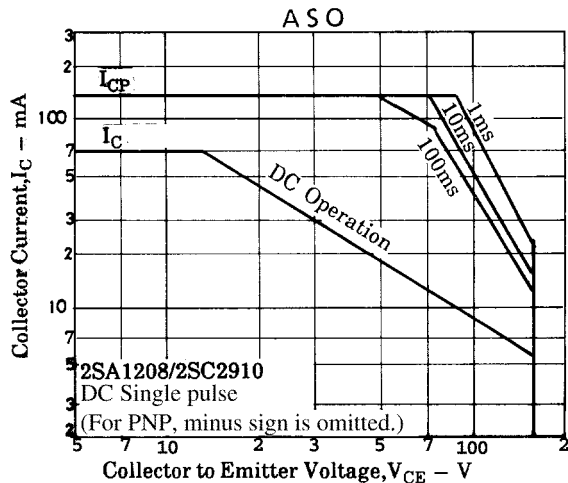
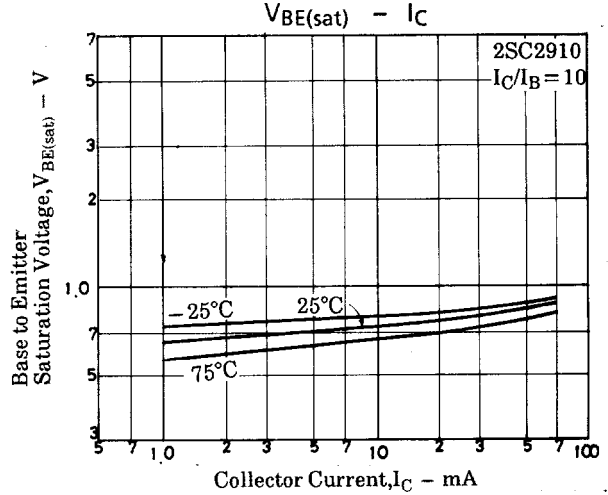
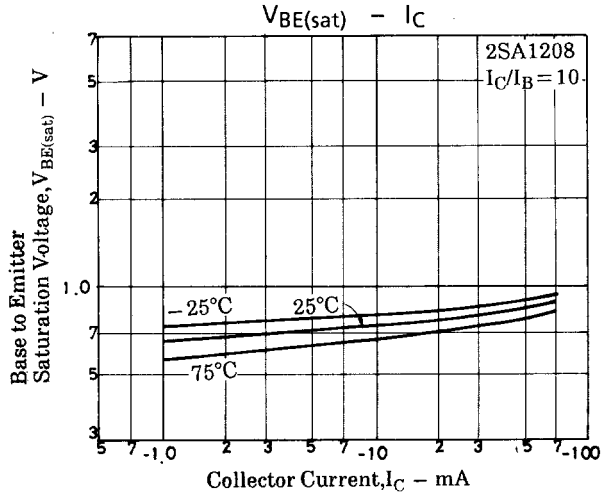
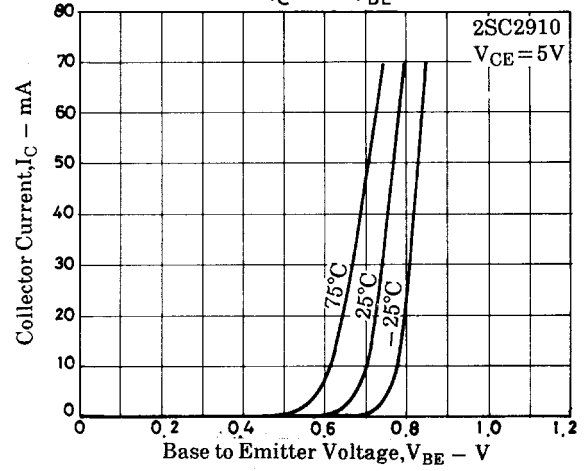
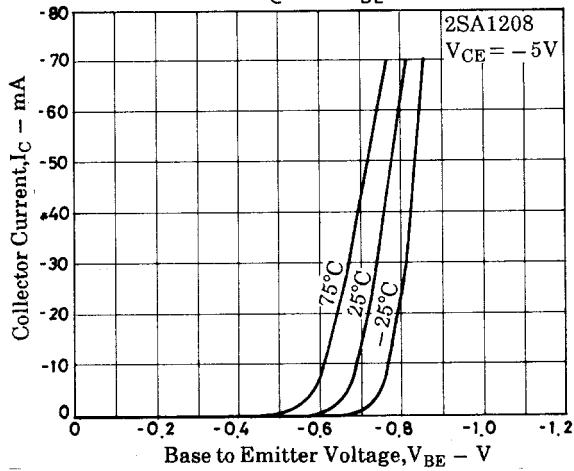
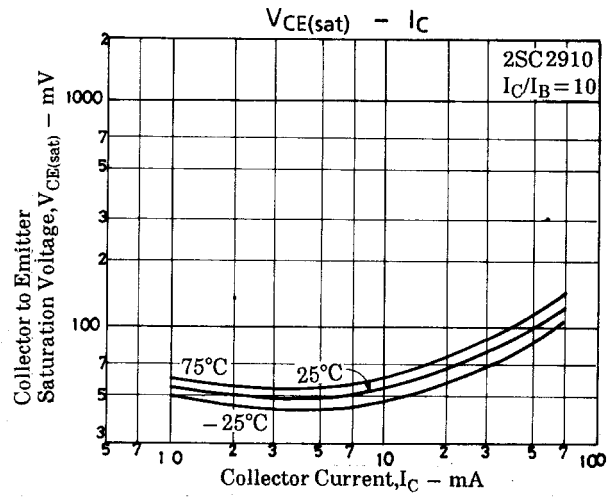
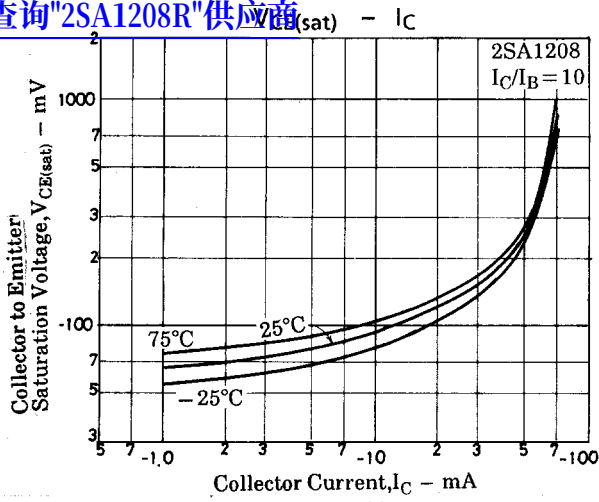
2SA1208/2SC2910

查询"2SA1208R"供应商



2SA1208/2SC2910

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