

<b>SANYO</b>	No.2538A	<b>2SB1266/2SD1902</b>
		PNP/NPN Triple Diffused Planar Type Silicon Transistors AF POWER AMP APPLICATIONS

**Features**

- . Suitable for sets whose height is restricted
- . Wide ASO (adoption of MBIT process)
- . High reliability

( ): 2SB1266

**Absolute Maximum Ratings at Ta=25°C**

			unit
Collector to Base Voltage	V <sub>CBO</sub>	(-)60	V
Collector to Emitter Voltage	V <sub>CEO</sub>	(-)60	V
Emitter to Base Voltage	V <sub>EBO</sub>	(-)6	V
Collector Current	I <sub>C</sub>	(-)3	A
Peak Collector Current	i <sub>cp</sub>	(-)8	A
Collector Dissipation	P <sub>C</sub>	1.65	W
		Tc=25°C	
		30	W
Junction Temperature	T <sub>j</sub>	150	°C
Storage Temperature	T <sub>stg</sub>	-55 to +150	°C

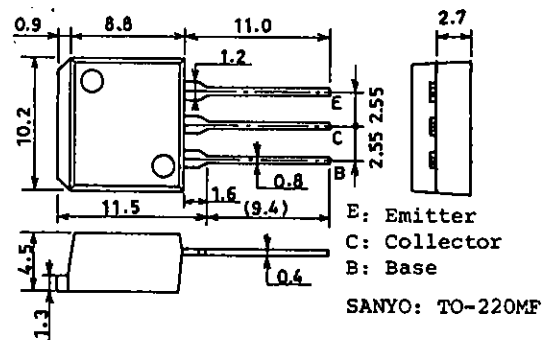
**Electrical Characteristics at Ta=25°C**

		min	typ	max	unit
Collector Cutoff Current	I <sub>CBO</sub>			(-)100	µA
Emitter Cutoff Current	I <sub>EBO</sub>			(-)100	µA
DC Current Gain	h <sub>FE</sub> (1)	70*		280*	
	h <sub>FE</sub> (2)	20			
Gain-Bandwidth Product	f <sub>T</sub>		(8)40		MHz
Output Capacitance	c <sub>ob</sub>		(60)110		pF
C-E Saturation Voltage	V <sub>CE(sat)</sub>		(-)0.4	(-)1	V
Base to Emitter Voltage	V <sub>BE</sub>		(-)0.7	(-)1	V
C-B Breakdown Voltage	V(BR)CBO	(-)60			V
C-E Breakdown Voltage	V(BR)CEO	(-)60			V
E-B Breakdown Voltage	V(BR)EBO	(-)6			V

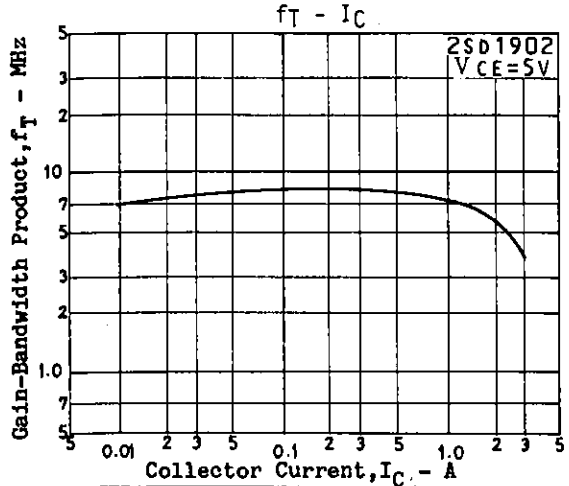
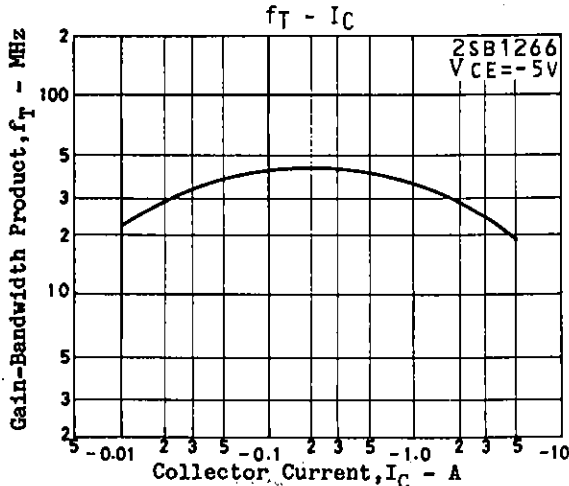
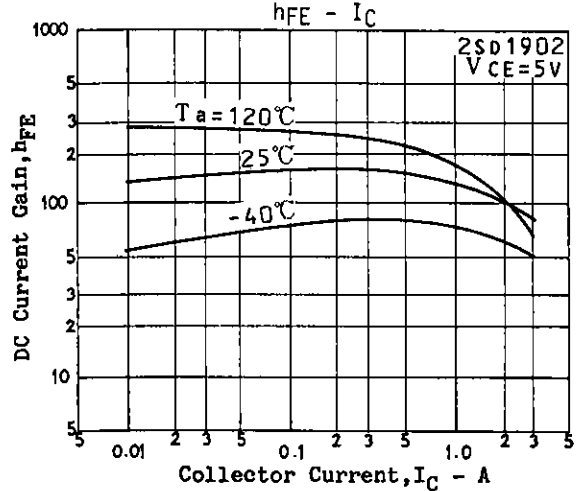
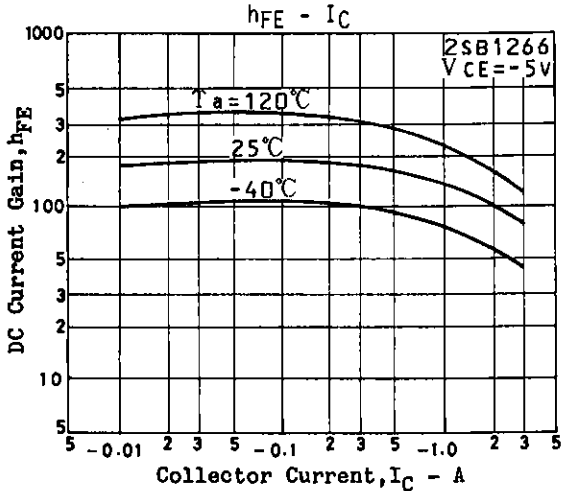
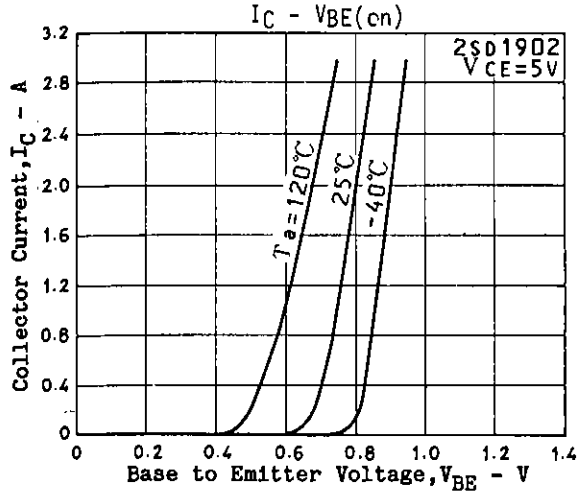
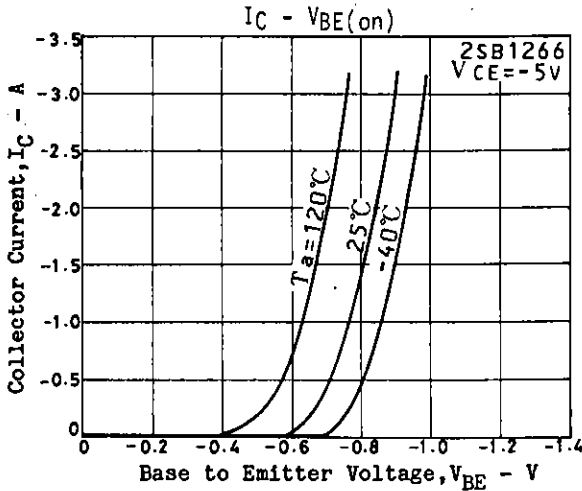
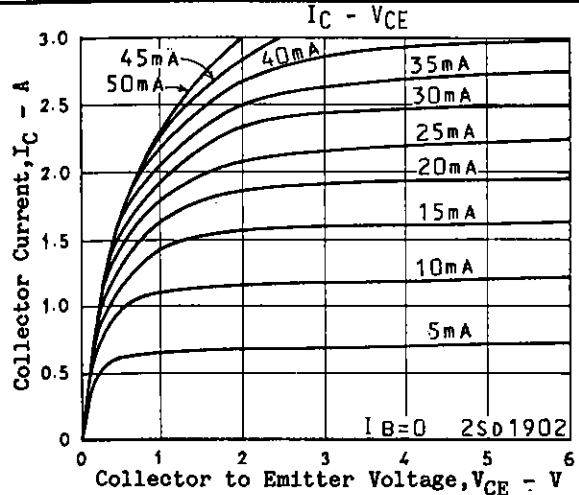
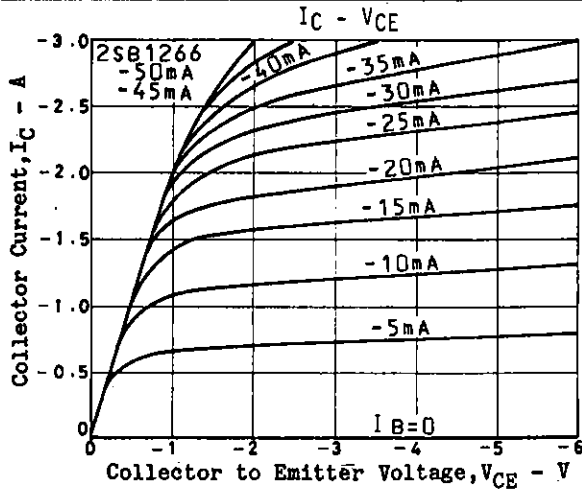
\*: The 2SB1266/2SD1902 are classified by 0.5A h<sub>FE</sub> as follows:

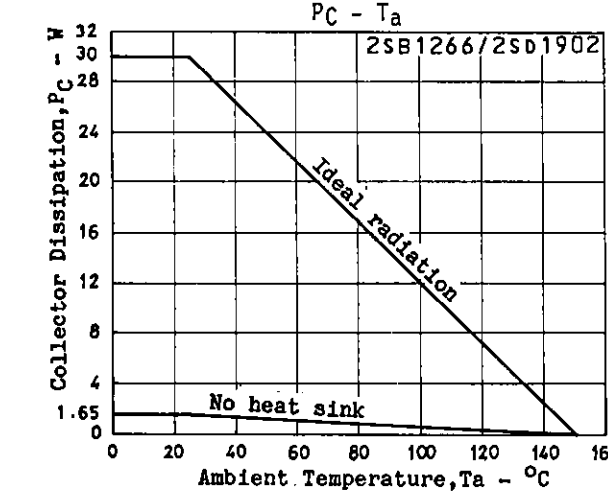
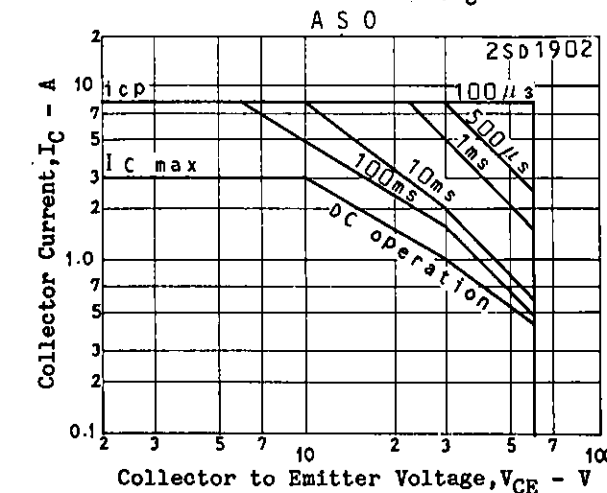
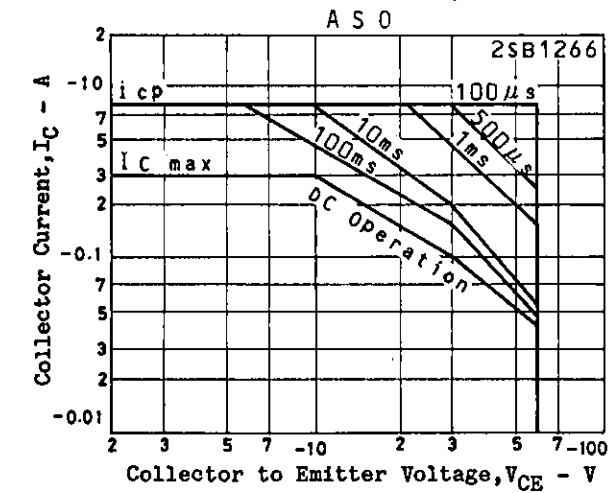
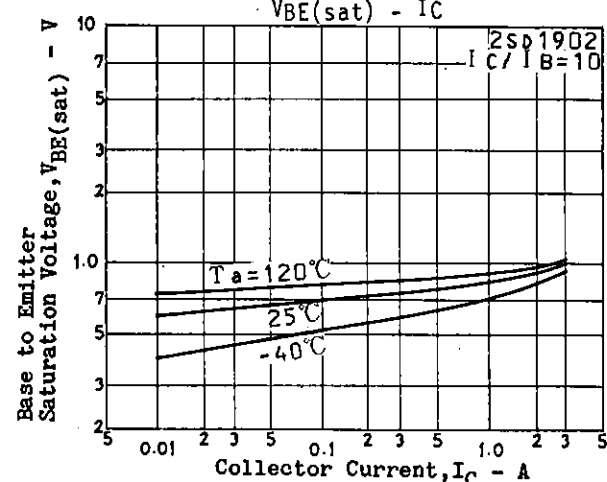
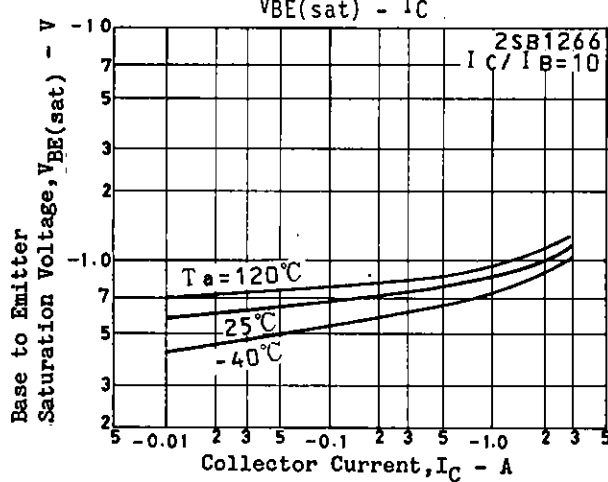
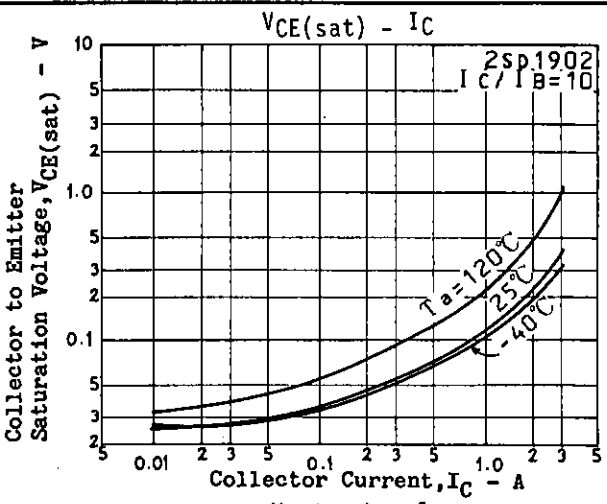
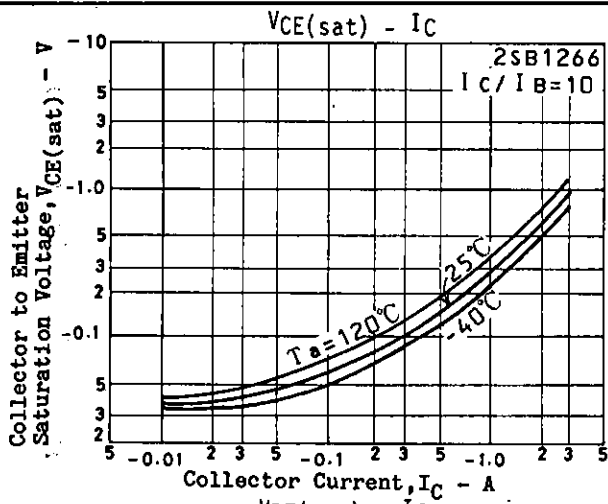
70	Q	140	100	R	200	140	S	280
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**Package Dimensions 2049B**  
(unit: mm)



2SB1266/2SD1902





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