

**Silicon PNP Power Transistors**

**2SA1360**

**DESCRIPTION**

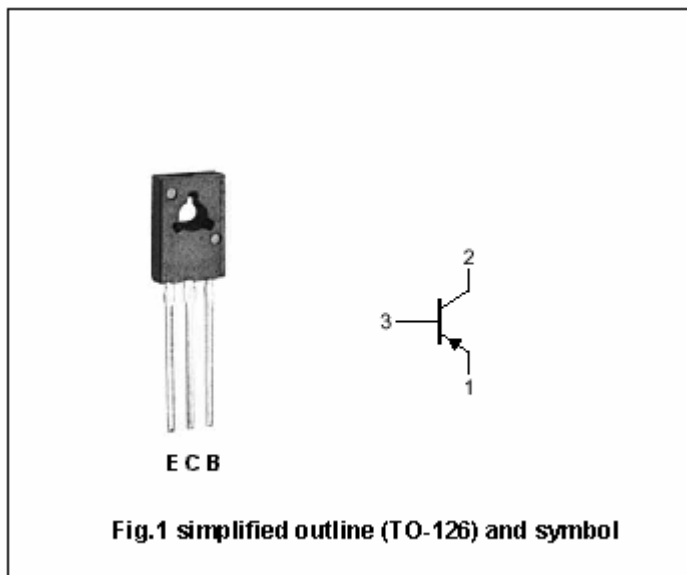
- With TO-126 package
- Complement to type 2SC3423
- High transition frequency

**APPLICATIONS**

- Audio frequency amplifier applications

**PINNING**

PIN	DESCRIPTION
1	Emitter
2	Collector;connected to mounting base
3	Base



**Absolute maximum ratings(Ta=25°C)**

SYMBOL	PARAMETER	CONDITIONS	VALUE	UNIT
V <sub>CBO</sub>	Collector-base voltage	Open emitter	-150	V
V <sub>CEO</sub>	Collector-emitter voltage	Open base	-150	V
V <sub>EBO</sub>	Emitter-base voltage	Open collector	-5	V
I <sub>C</sub>	Collector current		-50	mA
I <sub>B</sub>	Base current		-5	mA
P <sub>D</sub>	Total power dissipation	T <sub>a</sub> =25°C	1.2	W
		T <sub>C</sub> =25°C	5	
T <sub>j</sub>	Junction temperature		150	°C
T <sub>stg</sub>	Storage temperature		-55°C+150	°C

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## CHARACTERISTICS

T<sub>j</sub>=25 °C unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP.	MAX	UNIT
V <sub>(BR)CEO</sub>	Collector-emitter breakdown voltage	I <sub>C</sub> =-1mA ; I <sub>B</sub> =0	-150			V
V <sub>CEsat</sub>	Collector-emitter saturation voltage	I <sub>C</sub> =-10mA; I <sub>B</sub> =-1mA			-1.0	V
V <sub>BE</sub>	Base-emitter on voltage	I <sub>C</sub> =-10mA ; V <sub>CE</sub> =-5V			-0.8	V
I <sub>CBO</sub>	Collector cut-off current	V <sub>CB</sub> =-150V; I <sub>E</sub> =0			-0.1	μA
I <sub>EBO</sub>	Emitter cut-off current	V <sub>EB</sub> =-5V; I <sub>C</sub> =0			-0.1	μA
h <sub>FE</sub>	DC current gain	I <sub>C</sub> =-10mA ; V <sub>CE</sub> =-5V	80		240	
C <sub>ob</sub>	Output capacitance	I <sub>E</sub> =0 ; V <sub>CB</sub> =-10V f=1MHz		2.5		pF
f <sub>T</sub>	Transition frequency	I <sub>C</sub> =-10mA ; V <sub>CE</sub> =-10V		200		MHz

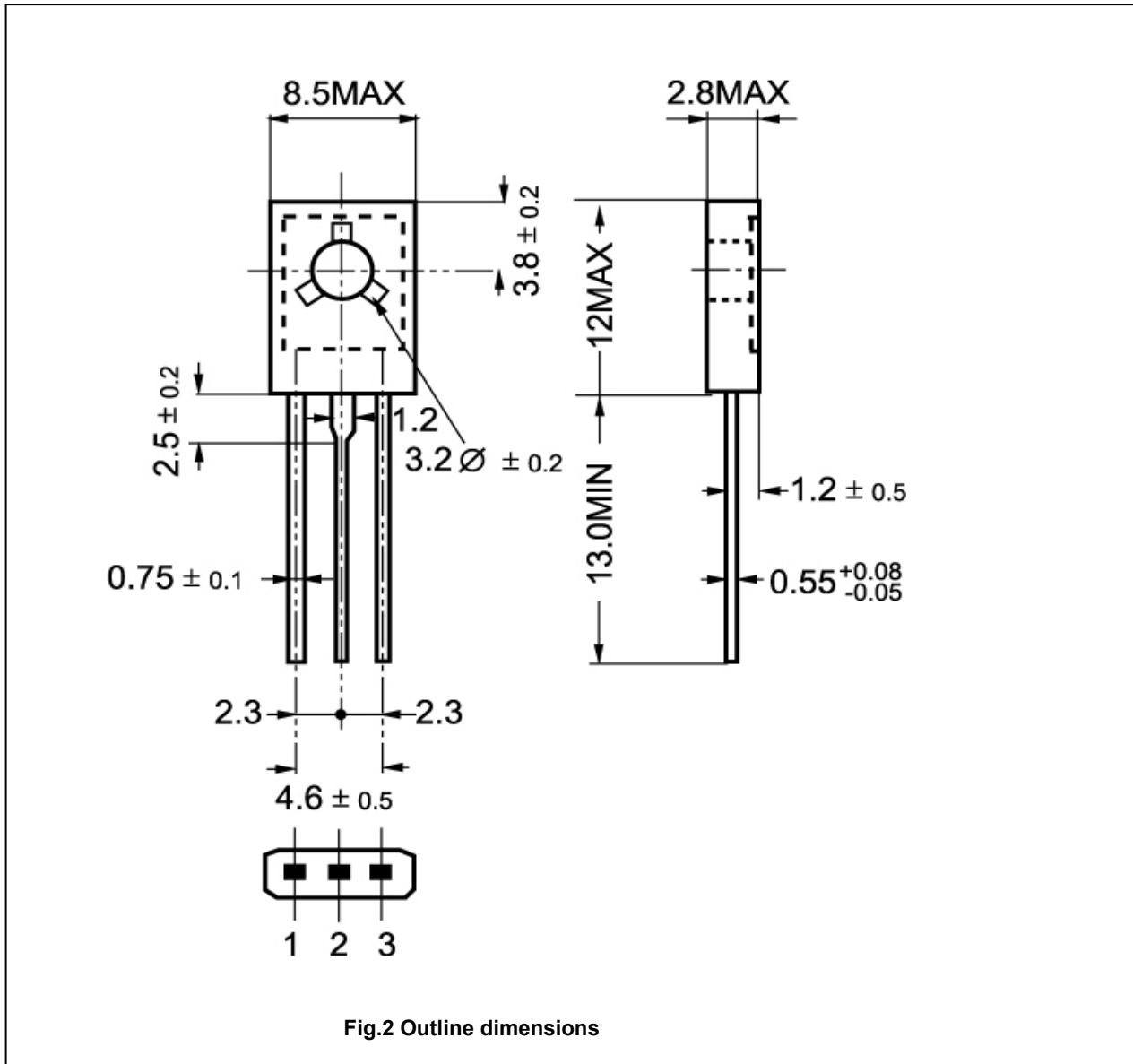
◆ h<sub>FE</sub> Classifications

O	Y
80-160	120-240

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PACKAGE OUTLINE



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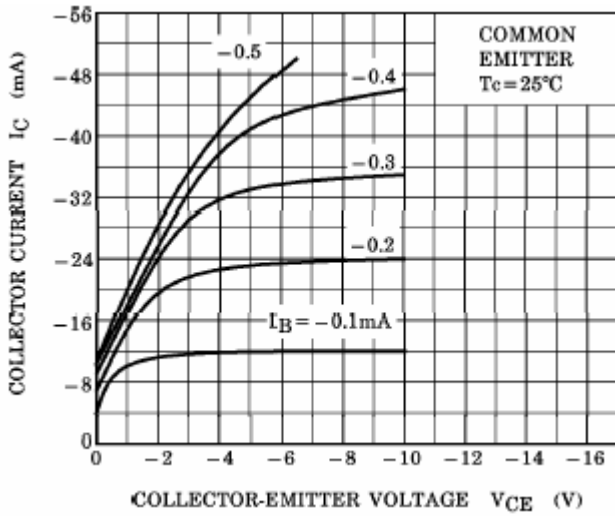


Fig.3 Static Characteristic

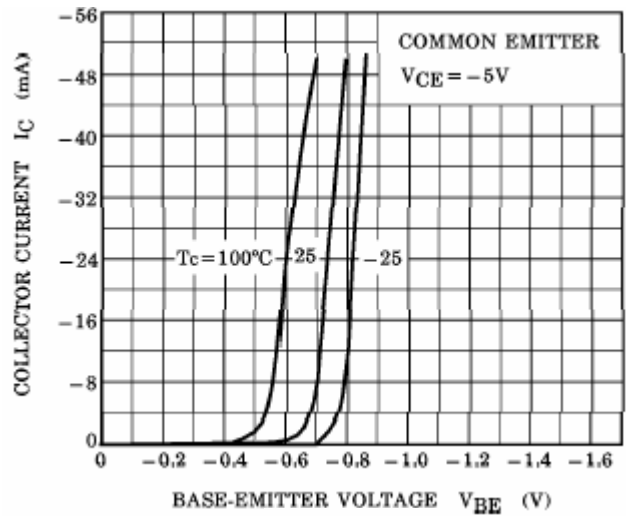


Fig.4 I<sub>C</sub> - V<sub>BE</sub>

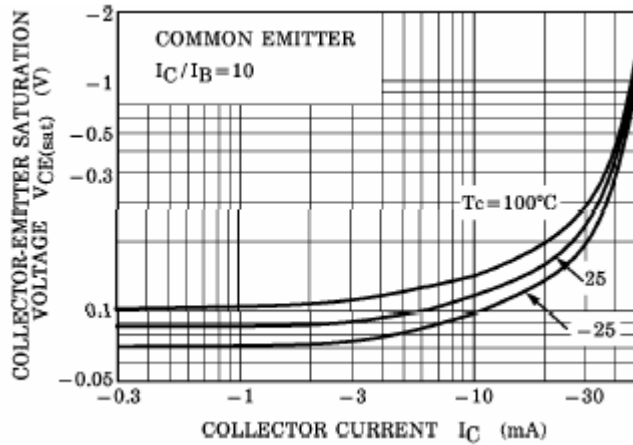


Fig.5 Collector-Emitter Saturation Voltage

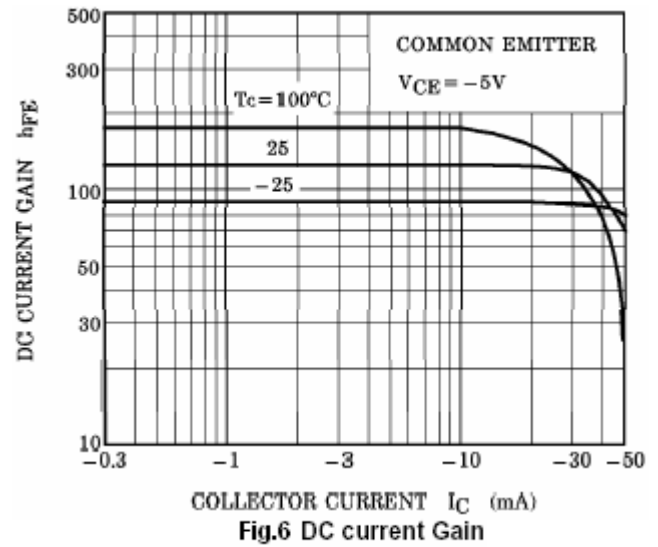


Fig.6 DC current Gain

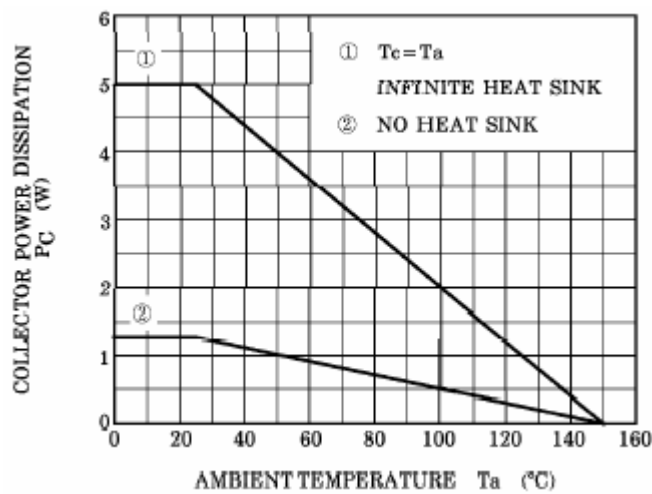


Fig.7 Power Derating