

Silicon PNP Power Transistors

2SB1226

DESCRIPTION

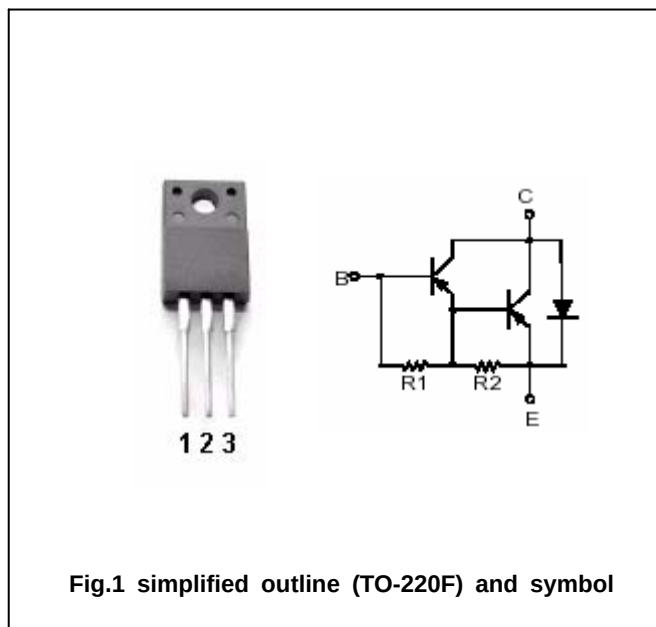
- With TO-220F package
- Complement to type 2SD1828
- High DC current gain.
- Large current capacity and wide ASO.
- DARLINGTON

APPLICATIONS

- Motor drivers,printer hammer drivers,relay drivers,voltage regulator control.

PINNING

PIN	DESCRIPTION
1	Base
2	Collector
3	Emitter



Absolute maximum ratings (Ta=25°C)

SYMBOL	PARAMETER	CONDITIONS	VALUE	UNIT
V_{CBO}	Collector-base voltage	Open emitter	-110	V
V_{CEO}	Collector-emitter voltage	Open base	-100	V
V_{EBO}	Emitter-base voltage	Open collector	-6	V
I_C	Collector current		-3	A
I_{CM}	Collector current-peak		-5	A
P_C	Collector dissipation	$T_C=25^{\circ}\text{C}$	20	W
			2	
T_j	Junction temperature		150	$^{\circ}\text{C}$
T_{stg}	Storage temperature		-55~150	$^{\circ}\text{C}$

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CHARACTERISTICS

T_j=25°C unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP.	MAX	UNIT
V _{(BR)CBO}	Collector-base breakdown voltage	I _C =-5mA; I _E =0	-110			V
V _{(BR)CEO}	Collector-emitter breakdown voltage	I _C =-50mA; R _{BE} =∞	-100			V
V _{CEsat}	Collector-emitter saturation voltage	I _C =-1.5A; I _B =-3mA		-1.0	-1.5	V
V _{BEsat}	Base-emitter saturation voltage	I _C =-1.5A; I _B =-3mA			-2.0	V
I _{CBO}	Collector cut-off current	V _{CB} =-80V; I _E =0			-0.1	mA
I _{EBO}	Emitter cut-off current	V _{EB} =-5V; I _C =0			-3.0	mA
h _{FE}	DC current gain	I _C =-1.5A; V _{CE} =-3V	1500	4000		
f _T	Transition frequency	I _C =-1.5A; V _{CE} =-5V		20		MHz

Switching times

t _{on}	Turn-on time	I _C =500I _{B1} =-500I _{B2} =-1A V _{CC} =-50V, R _L =50Ω		0.7		μs
t _s	Storage time			2.4		μs
t _f	Fall time			1.2		μs

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PACKAGE OUTLINE

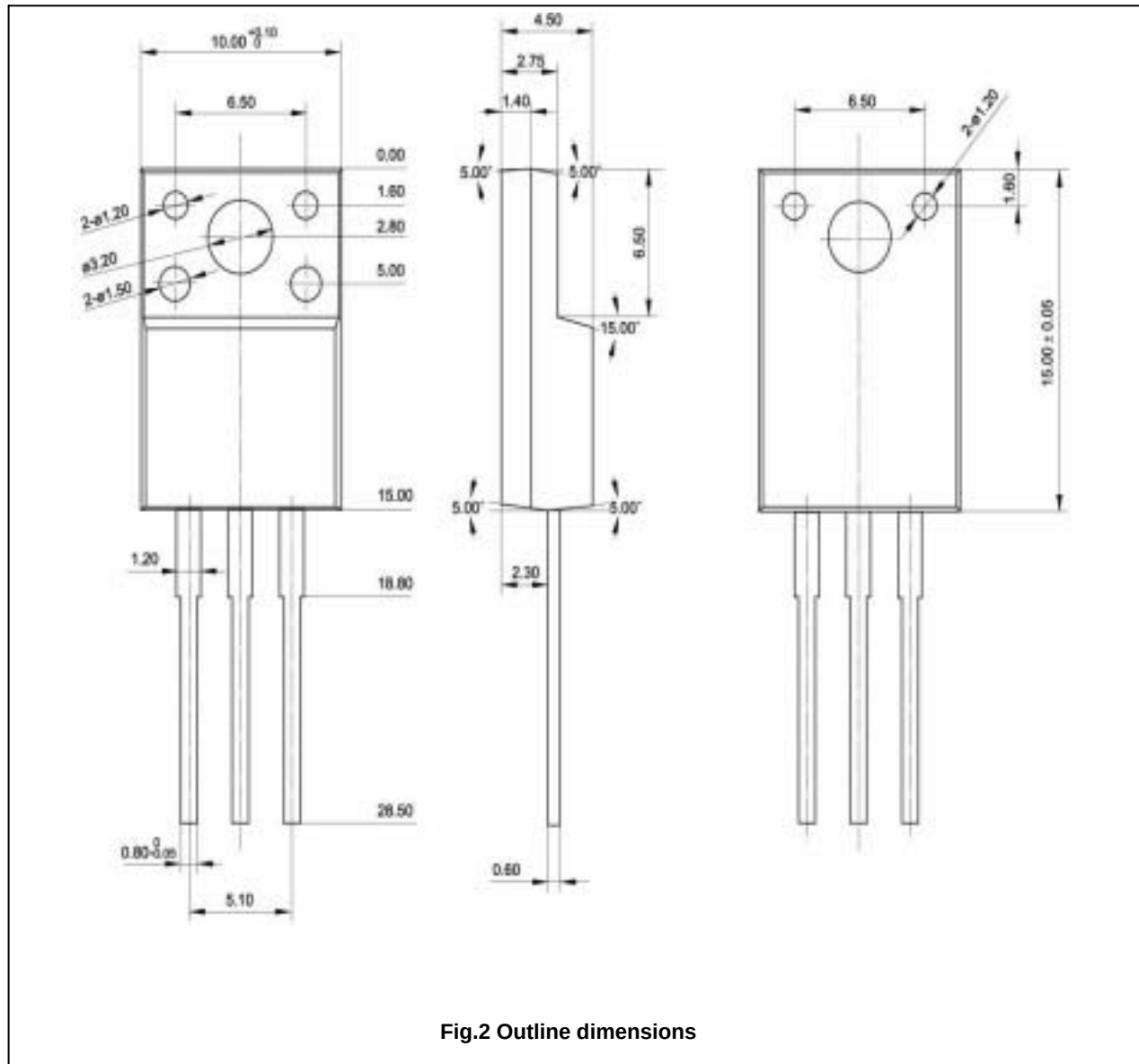


Fig.2 Outline dimensions