

Silicon PNP Power Transistors

2SA766

DESCRIPTION

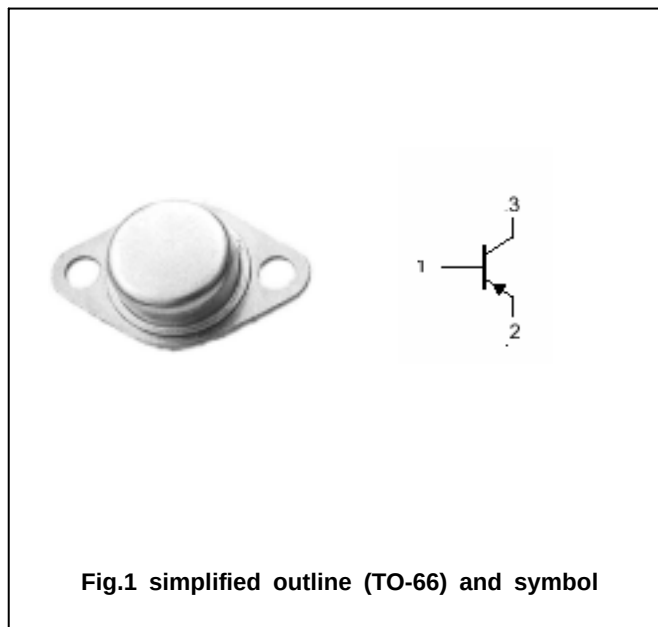
- With TO-66 package
- High power dissipation
- Complement to type 2SC1450

APPLICATIONS

- Line-operated vertical deflection output
- Medium power amplifier

PINNING(see Fig.2)

PIN	DESCRIPTION
1	Base
2	Emitter
3	Collector

Absolute maximum ratings($T_a = ^\circ\text{C}$)

SYMBOL	PARAMETER	CONDITIONS	VALUE	UNIT
V_{CBO}	Collector-base voltage	Open emitter	-150	V
V_{CEO}	Collector-emitter voltage	Open base	-150	V
V_{EBO}	Emitter-base voltage	Open collector	-5	V
I_C	Collector current		-0.4	A
I_{CM}	Collector current-peak		-1.2	A
P_C	Collector power dissipation	$T_C \leq 80^\circ\text{C}$	20	W
T_j	Junction temperature		150	$^\circ\text{C}$
T_{stg}	Storage temperature		-65~150	$^\circ\text{C}$

Silicon PNP Power Transistors

2SA766

CHARACTERISTICS

T_j=25°C unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP.	MAX	UNIT
V _{CEO(SUS)}	Collector-emitter sustaining voltage	I _C =-0.2A ; L=25mH, R _{BE} =5kΩ	-150			V
V _{(BR)EBO}	Emitter-base breakdown voltage	I _E =-1mA ; I _C =0	-5			V
V _{CEsat}	Collector-emitter saturation voltage	I _C =-1A ; I _B =-0.1A			-1.0	V
V _{BE-1}	Base-emitter saturation voltage	I _C =-0.1A ; V _{CE} =-5V			-0.8	V
V _{BE-2}	Base-emitter saturation voltage	I _C =-0.5A ; V _{CE} =-5V			-1.0	V
I _{CBO}	Collector cut-off current	V _{CB} =-60V ; I _E =0			-30	μA
h _{FE-1}	DC current gain	I _C =-0.1A ; V _{CE} =-5V	35		150	
h _{FE-2}	DC current gain	I _C =-0.5A ; V _{CE} =-5V	35			
f _T	Transition frequency	I _E =0.1A ; V _{CB} =-10V		15		MHz

Silicon PNP Power Transistors

2SA766

PACKAGE OUTLINE

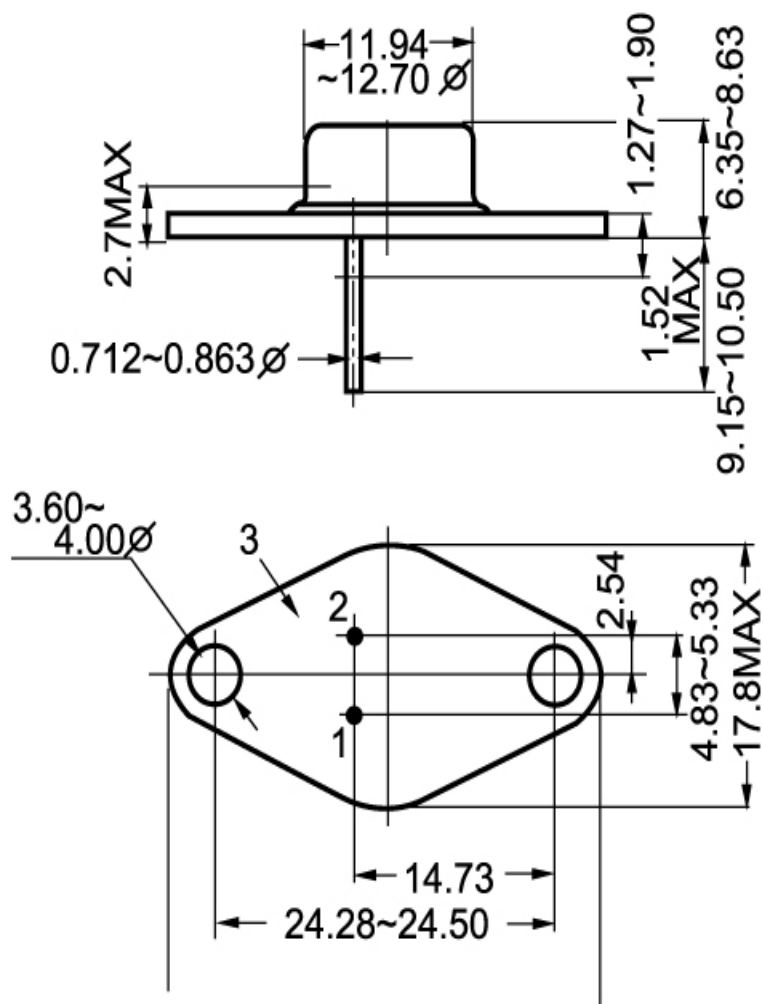


Fig.2 outline dimensions