

Silicon NPN Power Transistors

2SC2773

DESCRIPTION

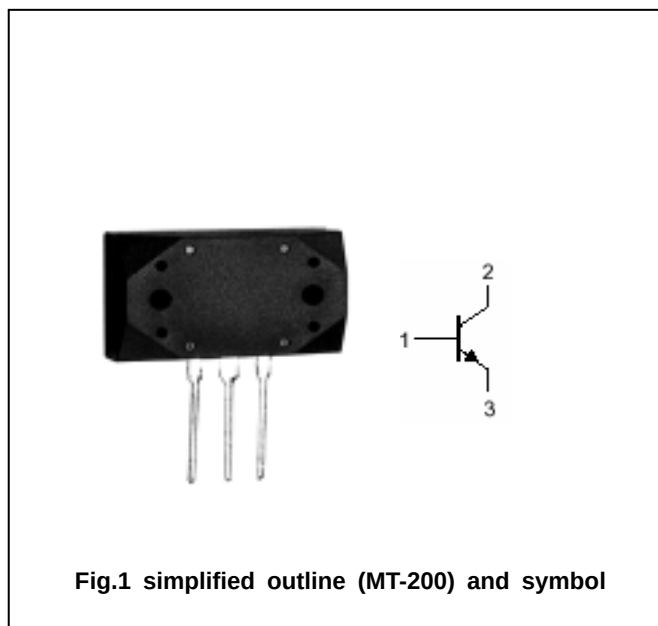
- With MT-200 package
- High current capability

APPLICATIONS

- For audio power amplifier and general purpose applications

PINNING(see Fig.2)

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

Absolute maximum ratings($T_a=25^{\circ}\text{C}$)

SYMBOL	PARAMETER	CONDITIONS	VALUE	UNIT
V_{CBO}	Collector-base voltage	Open emitter	200	V
V_{CEO}	Collector-emitter voltage	Open base	200	V
V_{EBO}	Emitter-base voltage	Open collector	6	V
I_C	Collector current		15	A
I_B	Base current		5	A
P_C	Collector power dissipation	$T_C=25^{\circ}\text{C}$	150	W
T_j	Junction temperature		150	$^{\circ}\text{C}$
T_{stg}	Storage temperature		-55~150	$^{\circ}\text{C}$

Silicon NPN Power Transistors

2SC2773

CHARACTERISTICS

T_j=25°C unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP.	MAX	UNIT
V _{(BR)CEO}	Collector-emitter breakdown voltage	I _C =50mA; I _B =0	200			V
V _{(BR)EBO}	Emitter-base breakdown voltage	I _E =1mA; I _C =0	6			V
V _{CEsat}	Collector-emitter saturation voltage	I _C =10 A; I _B =1 A			3.0	V
I _{CBO}	Collector cut-off current	V _{CB} =200V; I _E =0			100	μA
I _{EBO}	Emitter cut-off current	V _{EB} =6V; I _C =0			100	μA
h _{FE}	DC current gain	I _C =5A ; V _{CE} =4V	50		180	
f _T	Transition frequency	I _C =0.5A ; V _{CE} =12V		20		MHz
C _{OB}	Output capacitance	I _E =0; V _{CB} =10V; f=1MHz		250		pF

◆ h_{FE} classifications

O	P	Y
50-100	70-140	90-180

Silicon NPN Power Transistors

2SC2773

PACKAGE OUTLINE

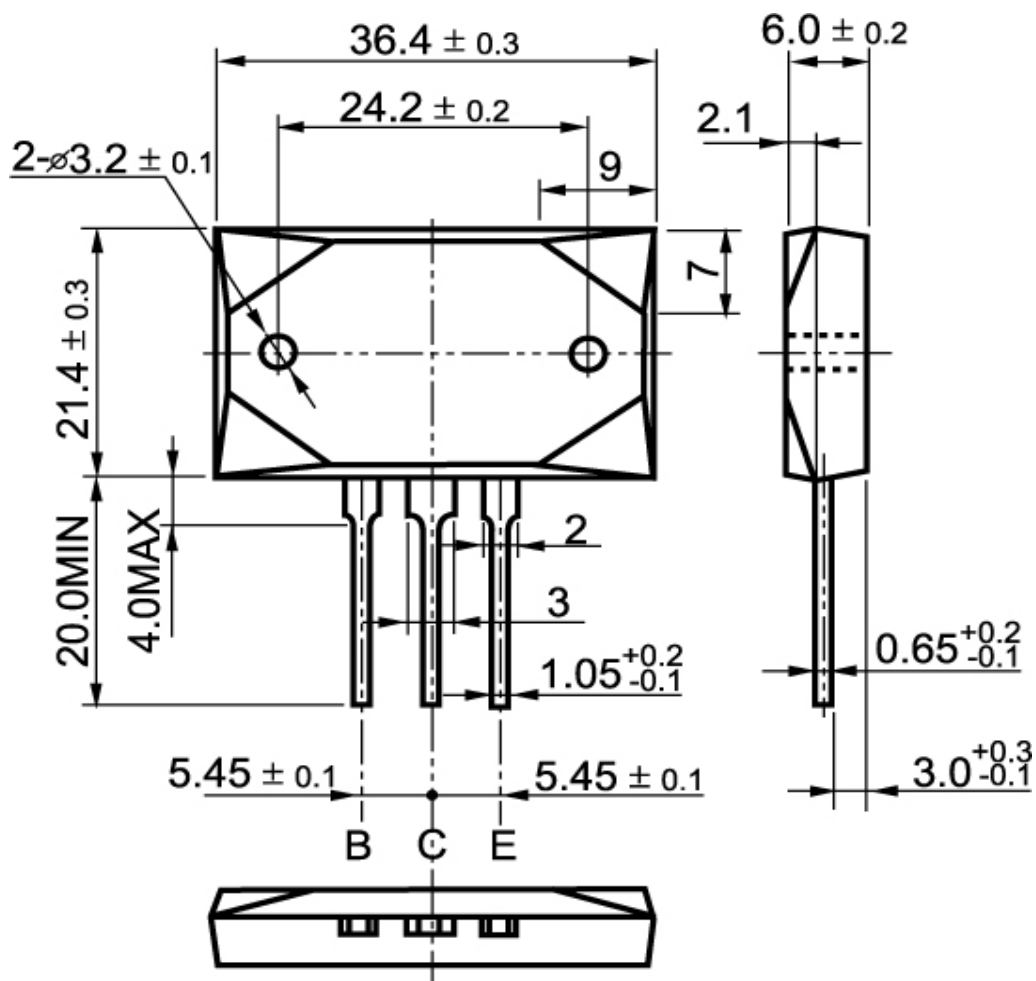


Fig.2 Outline dimensions