

isc Silicon NPN Power Transistor

2SC2774

DESCRIPTION

With MT-200 package

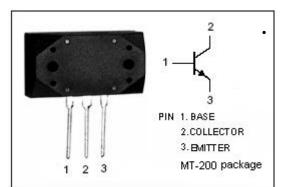
- High power dissipation
- High current capability
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

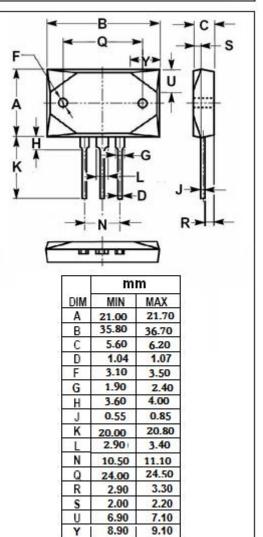
APPLICATIONS

 Design for audio power amplifier and general purpose applications

ABSOLUTE MAXIMUM RATINGS(Ta=25°C)

SYMBOL	PARAMETER	VALUE	UNIT	
V _{CBO}	Collector-Base Voltage	200	v	
V _{CEO}	Collector-Emitter Voltage	200	V	
V _{EBO}	Emitter-Base Voltage 6		V	
Ι _C	Collector Current-Continuous 17		А	
IB	Base Current-Continuous	5	A	
Pc	Collector Power Dissipation @ T_c =25 $^{\circ}C$	200	W	
TJ	Junction Temperature	150	°C	
T _{stg}	tg Storage Temperature Range -55~150		°C	







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CHARACTERISTICS

Tj=25℃ unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP.	МАХ	UNIT
V _{(BR)CEO}	Collector-emitter breakdown voltage	I _C =25mA ; 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 =5A; I _B =0.5A			2.0	V
I _{CBO}	Collector cut-off current	V _{CB} =200V; I _E =0			100	μA
I _{EBO}	Emitter cut-off current	V _{EB} =5V; I _C =0			100	μA
h _{FE}	DC current gain	I _C =5A ; V _{CE} =4V	50		140	
Cob	Output capacitance	I _E =0 ; V _{CB} =10V;f=1MHz		300		pF
fT	Transition frequency	I _C =2A ; V _{CE} =12V		20		MHz

h_{FE} classifications

0	Y
50-100	70-140

NOTICE:

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