

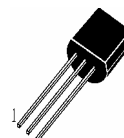


AUDIO MUTING APPLICATION.

ABSOLUTE MAXIMUM RATINGS (T_a=25°C)

T _{stg}	Storage Temperature	-55~150°C
T _j	Junction Temperature	150°C
P _C	Collector Dissipation	400mW
V _{CBO}	Collector-Base Voltage	25V
V _{CEO}	Collector-Emitter Voltage	20V
V _{EBO}	Emitter-Base Voltage	12V
I _C	Collector Current	300mA
I _B	Base Current	30mA

TO-92



- 1—Emitter, E
2—Collector, C
3—Base, B

ELECTRICAL CHARACTERISTICS (T_a=25°C)

Symbol	Characteristics	Min	Typ	Max	Unit	Test Conditions
I _{CBO}	Collector Cut-off Current			100	nA	V _{CB} =25V, I _E =0
I _{EBO}	Emitter Cut-off Current			100	nA	V _{EB} =12V, I _C =0
H _{FE}	DC Current Gain	200		800		V _{CE} =2V, I _C =4mA
V _{CE(sat)}	Collector- Emitter Saturation Voltage			0.25	V	I _C =100mA, I _B =10mA
V _{BE(sat)}	Base-Emitter Saturation Voltage			1.0	V	I _C =100mA, I _B =10mA
f _T	Current Gain-Bandwidth Product		60		MHz	V _{CE} =10V, I _C =1mA
C _{ob}	Output Capacitance		10		pF	V _{CB} =10V, I _E =0, f=1MHz

h_{FE} Classification

A	B	C
200—350	300—500	400—800