



■ GENERAL PURPOSE AMPLIFIER AND LOW NOISE

AMPLIFIER APPLICATIONS

■ ABSOLUTE MAXIMUM RATINGS (T_a=25°C)

T_{stg}—Storage Temperature..... -55~150°C

T_j—Junction Temperature.....150°C

P_C—Collector Dissipation.....625mW

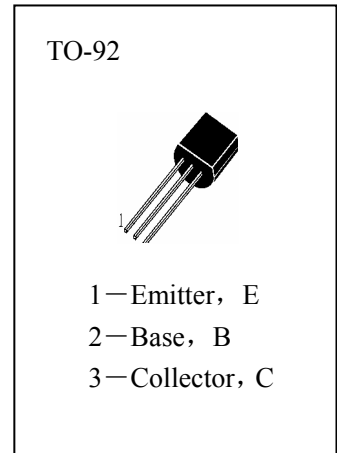
V_{CBO}—Collector-Base Voltage.....60V

V_{CEO}—Collector-Emitter Voltage.....60V

V_{EBO}—Emitter-Base Voltage.....7V

I_C—Collector Current.....200mA

I_B—Base Current.....200mA



■ ELECTRICAL CHARACTERISTICS (T_a=25°C)

Symbol	Characteristics	Min	Typ	Max	Unit	Test Conditions
BV _{CEO}	Collector-Emitter Breakdown Voltage	60			V	I _C =1mA, I _B =0
I _{CBO}	Collector Cut-off Current			50	nA	V _{CB} =40V, I _E =0
I _{EBO}	Emitter Cut-off Current			100	nA	V _{EB} =6V, I _C =0
H _{FE}	DC Current Gain	70		700		V _{CE} =5V, I _C =2mA
V _{CE(sat)}	Collector- Emitter Saturation Voltage			0.22	V	I _C =50mA, I _B =10mA
V _{BE}	Base-Emitter Voltage			1.0	V	V _{CE} =5V, I _C =2mA
f _T	Current Gain-Bandwidth Product	150	400		MHz	V _{CE} =5V, I _C =10mA
C _{ob}	Output Capacitance		3.5		pF	V _{CB} =10V, I _E =0, f=1MHz