

TO-92L Plastic-Encapsulate Transistors

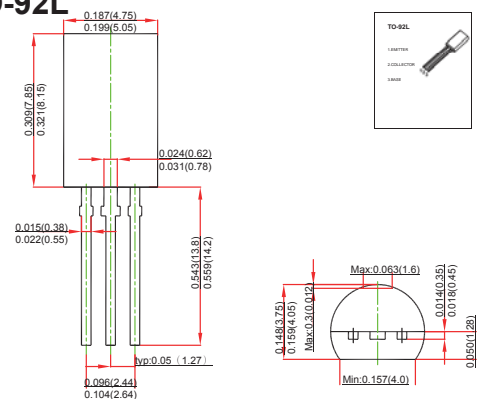
FEATURE

- High Voltage :V_{CEO}=300V
- Small Collector Output Capacitance: Cob=3.0pF(Typ)
- TRANSISTOR (NPN)

MECHANICAL DATA

- Case style:TO-92L molded plastic
- Mounting position:any

TO-92L



MAXIMUM RATINGS AND CHARACTERISTICS

@ 25°C Ambient Temperature (unless otherwise noted)

Symbol	Parameter	Value	Unit
V _{CB0}	Collector-Base Voltage	300	V
V _{CEO}	Collector-Emitter Voltage	300	V
V _{EBO}	Emitter-Base Voltage	7	V
I _C	Collector Current -Continuous	0.1	A
P _C	Collector Power Dissipation	0.9	W
T _J	Junction Temperature	150	°C
T _{stg}	Storage Temperature	-55~+150	°C

ORDERING INFORMATION

Part Number	Package	Packing Method	Pack Quantity
2SC2482	TO-92L	Bulk	500pcs/Bag
2SC2482-TA	TO-92L	Tape	2000pcs/Box

ELECTRICAL CHARACTERISTICS T_A =25 °C unless otherwise specified

Parameter	Symbol	Test conditions	Min	Typ	Max	Unit
Collector-base breakdown voltage	V(BR) _{CBO}	I _C = 100μA, I _E =0	300			V
Collector-emitter breakdown voltage	V(BR) _{CEO}	I _C = 3mA, I _B =0	300			V
Emitter-base breakdown voltage	V(BR) _{EBO}	I _E = 100μA, I _C =0	7			V
Collector cut-off current	I _{CB0}	V _{CB} = 240 V, I _E =0			1.0	μA
Collector cut-off current	I _{CEO}	V _{CB} = 220 V, I _B =0			5.0	μA
Emitter cut-off current	I _{EBO}	V _{EB} = 7V, I _C =0			1.0	μA
DC current gain	h _{FE}	V _{CE} =10V, I _C =20mA	30		150	
Collector-emitter saturation voltage	V _{CE(sat)}	I _C = 10mA, I _B =1mA			1.0	V
Base-emitter saturation voltage	V _{BE(sat)}	I _C =10mA, I _B =1mA			1.0	V
Transition frequency	f _T	V _{CE} =10V, I _C =20mA, f=30MHz	50			MHz
Collector output capacitance	Cob	V _{CB} =20V, I _E =0, f=1MHz		3		pF

CLASSIFICATION OF h_{FE}

Rank	O	Y
Range	30-90	90-150

MARKING: C2482