

## TO-92L Plastic-Encapsulate Transistors

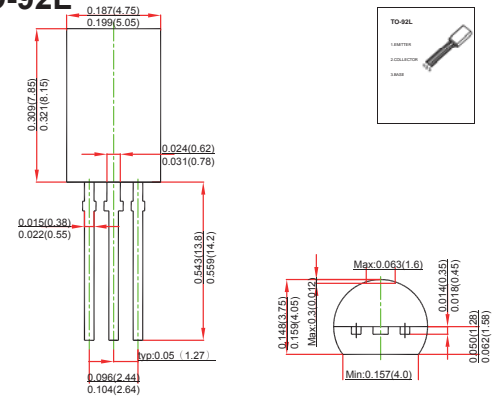
### FEATURE

- High Voltage :V<sub>CEO</sub>=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 <sub>CB0</sub>	Collector-Base Voltage	300	V
V <sub>CEO</sub>	Collector-Emitter Voltage	300	V
V <sub>EBO</sub>	Emitter-Base Voltage	7	V
I <sub>C</sub>	Collector Current -Continuous	0.1	A
P <sub>C</sub>	Collector Power Dissipation	0.9	W
T <sub>J</sub>	Junction Temperature	150	°C
T <sub>stg</sub>	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<sub>A</sub> =25 °C unless otherwise specified

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

### CLASSIFICATION OF h<sub>FE</sub>

Rank	O	Y
Range	30-90	90-150

MARKING: C2482