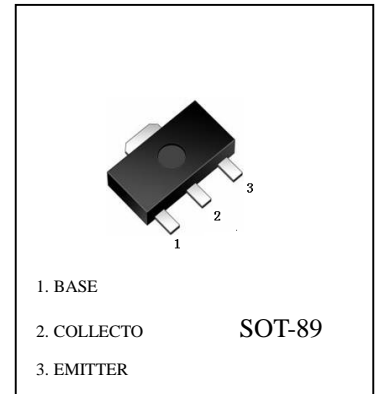


**FEATURES**

- Collector-Emitter voltage:  $V_{CEO}=300V$
- Collector current up to 500mA.
- Complement to A42
- Small flat package.
- Power dissipation:  $P_d(\max)=500mW$ .

Marking: A92

**A92 (PNP)**


Maximum Ratings ( $T_a=25\text{ }^\circ\text{C}$  unless otherwise noted)

Parameter	Symbol	Value	Unit
Collector-Base Voltage	$V_{CBO}$	-300	V
Collector-Emitter Voltage	$V_{CEO}$	-300	V
Emitter-Base Voltage	$V_{EBO}$	-5	V
Collector Current -Continuous	$I_C$	-500	mA
Collector Power dissipation	$P_C$	0.5	W
Storage Temperature	$T_{stg}$	-55to +150	$^\circ\text{C}$

ELECTRICAL CHARACTERISTICS ( @  $T_a=25\text{ }^\circ\text{C}$  unless otherwise specified)

Parameter	Symbol	Test conditions	Min	Max	Unit
Collector-base breakdown voltage	$V_{CBO}$	$I_c = -100\mu\text{A}, I_E=0$	-300		V
Collector-emitter breakdown voltage	$V_{CEO}$	$I_c = -1\text{mA}, I_B=0$	-300		V
Emitter-base breakdown voltage	$V_{EBO}$	$I_E = -100\mu\text{A}, I_C=0$	-5		V
Collector cut-off current	$I_{CBO}$	$V_{CB}=-200V, I_E=0$		-0.25	$\mu\text{A}$
Emitter cut-off current	$I_{EBO}$	$V_{EB} = -5V, I_C=0$		-0.1	$\mu\text{A}$
Current gain	$H_{FE(1)}$	$V_{CE} = -10V, I_C = -1\text{mA}$	60		
	$H_{FE(2)}$	$V_{CE} = -10V, I_C = -10\text{mA}$	100	300	
	$H_{FE(3)}$	$V_{CE} = -10V, I_C = -30\text{mA}$	60		
Collector-emitter saturation voltage	$V_{CE(sat)}$	$I_C = -20\text{mA}, I_B = -2\text{mA}$		-0.2	V
Base-emitter saturation voltage	$V_{BE(sat)}$	$I_C = -20\text{mA}, I_B = -2\text{mA}$		-0.9	V
Transition frequency	$f_T$	$V_{CE} = -20V, I_C = -10\text{mA}$ $f = 30\text{MHz}$	50		MHz

A92 Typical Characteristics

