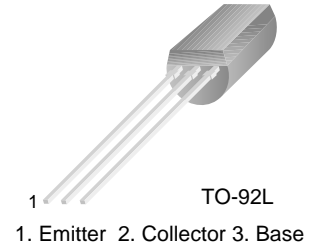


■ ■ APPLICATION:General Purpose Applications.

■ ■ MAXIMUM RATINGS ($T_a=25^{\circ}\text{C}$)

PARAMETER	SYMBOL	RATING	UNIT
Collector-base voltage	V_{CBO}	-60	V
Collector-emitter voltage	V_{CEO}	-50	V
Emitter-base voltage	V_{EBO}	-6	V
Collector current	I_{C}	-2	A
Collector Power Dissipation	P_{C}	1	W
Junction Temperature	T_{J}	150	$^{\circ}\text{C}$
Storage Temperature Range	T_{stg}	- 55~150	$^{\circ}\text{C}$


■ ■ ELECTRICAL CHARACTERISTICS ($T_a=25^{\circ}\text{C}$)

PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNIT	TEST CONDITION
DC Current Gain	h_{FE1}	100		560		$V_{\text{CE}}=-2\text{V}$, $I_{\text{C}}=-100\text{mA}$
	h_{FE2}	40				$V_{\text{CE}}=-2\text{V}$, $I_{\text{C}}=-1.5\text{A}$
Collector Cut-off Current	I_{CBO}			-0.1	μA	$V_{\text{CB}}=-50\text{V}$, $I_{\text{E}}=0$
Emitter Cut-off Current	I_{EBO}			-0.1	μA	$V_{\text{EB}}=-4\text{V}$, $I_{\text{C}}=0$
Collector-Emitter Breakdown Voltage	BV_{CBO}	-60			V	$I_{\text{C}}=-10\mu\text{A}$, $I_{\text{E}}=0$
Collector-Emitter Breakdown Voltage	BV_{CEO}	-50			V	$I_{\text{C}}=-1\text{mA}$, $I_{\text{B}}=0$
Emitter-Base Breakdown Voltage	BV_{EBO}	-6			V	$I_{\text{E}}=-10\mu\text{A}$, $I_{\text{C}}=0$
Collector-Emitter Saturation Voltage	$V_{\text{CE(sat)}}$		-0.3	-0.7	V	$I_{\text{C}}=-1\text{A}$, $I_{\text{B}}=-50\text{mA}$
Base-Emitter Saturation Voltage	$V_{\text{BE(sat)}}$		-0.9	-1.2	V	$I_{\text{C}}=-1\text{A}$, $I_{\text{B}}=-50\text{mA}$
Gain bandwidth product	f_{T}	50	150		MHz	$I_{\text{C}}=-50\text{mA}$, $V_{\text{CE}}=-10\text{V}$
Common Base Output Capacitance	C_{ob}		22		pF	$V_{\text{CB}}=-10\text{V}$, $I_{\text{E}}=0$, $f=1\text{MHz}$

■ ■ hFE Classification And Marking

Classification	R	S	T	U
h_{FE}	100~200	140~280	200~400	280~560