

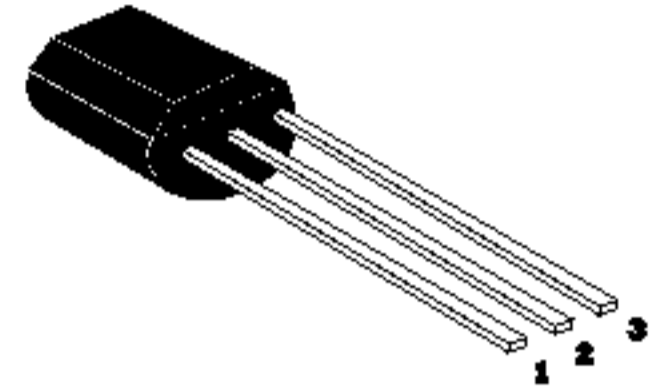


**HIGH VOLTAGE TRANSISTOR**

2

- \* Collector-Emitter Voltage  $V_{ce0}=400V$
- \* Collector Dissipation  $P_c(\text{Max})=625 \text{ mW}$  ( $T_a=25^\circ\text{C}$ )

Package: TO-92



**ABSOLUTE MAXIMUM RATINGS at  $T_{amb}=25^\circ\text{C}$**

Characteristic	Symbol	Rating	Unit
Collector-Base Voltage	$V_{cbo}$	450	V
Collector-Emitter Voltage	$V_{ceo}$	400	V
Emitter-Base Voltage	$V_{ebo}$	7	V
Collector Current	$I_c$	200	mA
Collector Dissipation	$P_c$	625	mW
Junction Temperature	$T_j$	150	$^\circ\text{C}$
Storage Temperature	$T_{stg}$	-55~150	$^\circ\text{C}$

PIN:	1	2	3
	E	C	B
STYLE			
NO.1	E	C	B

**ELECTRICAL CHARACTERISTICS at  $T_{amb}=25^\circ\text{C}$**

Characteristic	Symbol	Min	Typ	Max	Unit	Test Conditions
Collector-Base Breakdown Voltage	$BV_{cbo}$	450			V	$I_c=100\mu\text{A}$ $I_e=0$
Collector-Emitter Breakdown Voltage	$BV_{ceo}$	400			V	$I_c=1\text{mA}$ $I_b=0$
Emitter-Base Breakdown Voltage	$BV_{ebo}$	7			V	$I_e=100\mu\text{A}$ $I_c=0$
Collector Cutoff Current	$I_{cbo}$			10	$\mu\text{A}$	$V_{cb}=420\text{V}$ $I_e=0$
Emitter Cutoff Current	$I_{ebo}$			10	$\mu\text{A}$	$V_{eb}=7\text{V}$ $I_c=0$
DC Current Gain	$H_{fe}$	8		40		$V_{ce}=10\text{V}$ $I_c=5\text{mA}$
Collector-Emitter Saturation Voltage	$V_{ce(sat)}$			0.4	V	$I_c=50\text{mA}$ $I_b=10\text{mA}$
Base-Emitter Saturation Voltage	$V_{be(sat)}$			1	V	$I_c=50\text{mA}$ $I_b=10\text{mA}$
Current Gain-Bandwidth product	$f_T$	10			MHz	$V_{ce}=10\text{V}$ $I_c=10\text{mA}$ $f=1\text{MHz}$