

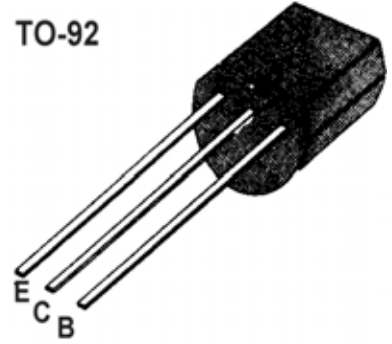
■ ■ APPLICATION: High Voltage Switching Applications.

Color TV Chroma Output Applications.

■ ■ MAXIMUM RATINGS (Ta=25°C)

PARAMETER	SYMBOL	RATING	UNIT
Collector-base voltage	V <sub>CB0</sub>	-250	V
Collector-emitter voltage	V <sub>CEO</sub>	-250	V
Emitter-base voltage	V <sub>EBO</sub>	-5	V
Collector current	I <sub>C</sub>	-50	mA
Collector Power Dissipation	P <sub>C</sub>	600	mW
Junction Temperature	T <sub>J</sub>	150	°C
Storage Temperature Range	T <sub>stg</sub>	- 55~150	°C

TO-92



■ ■ ELECTRICAL CHARACTERISTICS (Ta=25°C)

PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNIT	TEST CONDITION
Common Emitter DC Current Gain	h <sub>FE</sub>	50				V <sub>CE</sub> = -20V, I <sub>C</sub> = -25mA
Collector Cut-off Current	I <sub>CB0</sub>			-1	μA	V <sub>CB</sub> = -200V, I <sub>E</sub> =0
Emitter Cut-off Current	I <sub>EBO</sub>			-1	μA	V <sub>EB</sub> = -5V, I <sub>C</sub> =0
Collector-Base Breakdown Voltage	BV <sub>CB0</sub>	-250			V	I <sub>C</sub> = -0.1mA, I <sub>E</sub> =0
Collector-Emitter Breakdown Voltage	BV <sub>CEO</sub>	-250			V	I <sub>C</sub> = -1mA, I <sub>B</sub> =0
Emitter-Base Breakdown Voltage	BV <sub>EBO</sub>	-5			V	I <sub>E</sub> = -0.1mA, I <sub>C</sub> =0
Collector-Emitter Saturation Voltage	V <sub>BE</sub>		-0.75		V	V <sub>CE</sub> = -20V, I <sub>C</sub> = -25mA
Collector-Emitter Saturation Voltage	V <sub>CE(sat)</sub>		-0.5	-1.5	V	I <sub>C</sub> = -10mA, I <sub>B</sub> = -1mA
Gain bandwidth product	f <sub>T</sub>	60	80		MHz	I <sub>C</sub> = -10mA, V <sub>CE</sub> = -10V
Common Base Output Capacitance	C <sub>ob</sub>		1.8		PF	V <sub>CB</sub> = -30V, I <sub>E</sub> =0, f = 1MHz

■ ■ h<sub>FE</sub> Classification

Classification

h<sub>FE</sub> ≥ 50