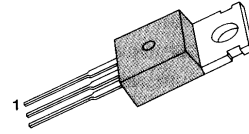


**HIGH VOLTAGE SWITCHING
USE IN HORIZONTAL DEFLECTION
OUTPUT STAGE**

ABSOLUTE MAXIMUM RATINGS

Characteristic	Symbol	Rating	Unit
Collector-Base Voltage	V_{CBO}	330	V
Collector-Emitter Voltage	V_{CEO}	150	V
Emitter-Base Voltage	V_{EBO}	6	V
Collector Current	I_C	7	A
Collector Peak Current	I_{CM}	10	A
Base Current	I_B	4	A
Collector Dissipation ($T_C=25^\circ\text{C}$)	P_C	60	W
Junction Temperature	T_J	150	$^\circ\text{C}$
Storage Temperature	T_{STG}	-65 ~ 150	$^\circ\text{C}$

TO-220

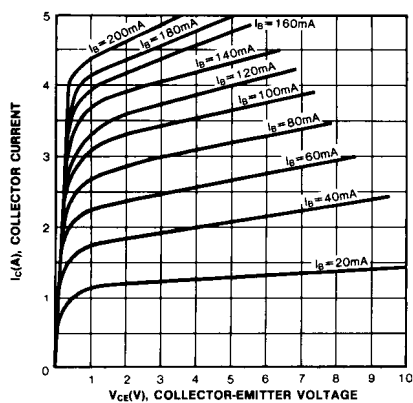


1.Base 2.Collector 3.Emitter

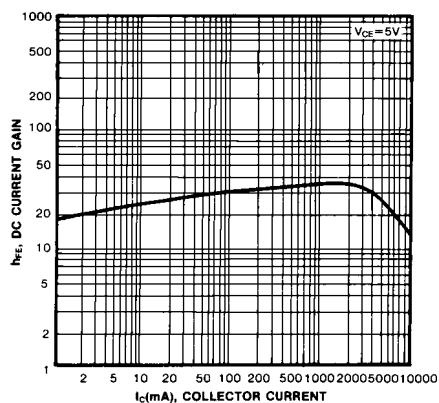
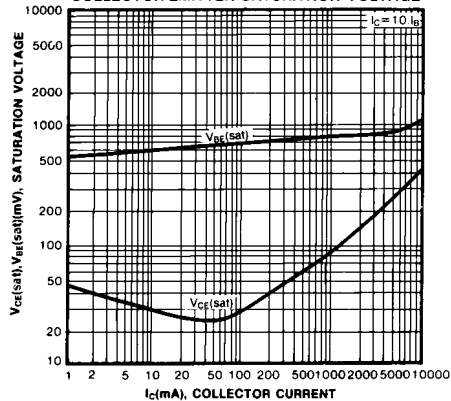
ELECTRICAL CHARACTERISTICS ($T_C = 25^\circ\text{C}$)

Characteristic	Symbol	Test Conditions	Min	Max	Unit
Collector Cutoff Current ($V_{BE}=0$)	I_{CES}	$V_{CE} = 330V, V_{BE} = 0$ $V_{CE} = 200V, V_{BE} = 0$ $V_{CE} = 200V, V_{BE} = 0, T_C = 150^\circ\text{C}$		5 100 1	mA uA mA
Emitter Cutoff Current ($I_C=0$)	I_{EBO}	$V_{BE} = 6V, I_C = 0$		1	mA
Collector Emitter Saturation Voltage : BU407	$V_{CE(sat)}$	$I_C = 5A, I_B = 0.5A$		1	V
: BU407H		$I_C = 5A, I_B = 0.8A$		1	V
Base Emitter Saturation Voltage : BU407	$V_{BE(sat)}$	$I_C = 5A, I_B = 0.5A$		1.2	V
: BU407H		$I_C = 5A, I_B = 0.8A$		1.2	V
Current Gain- Bandwidth Product	f_T	$V_{CE} = 10V, I_C = 0.5A$	10		MHz
Turn-off Time : BU407	t_{off}	$I_C = 5A, I_B = 0.5A$		0.75	uS
: BU407H		$I_C = 5A, I_B = 0.8A$		0.4	uS

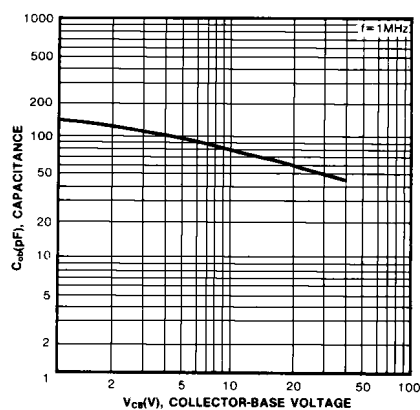
STATIC CHARACTERISTIC



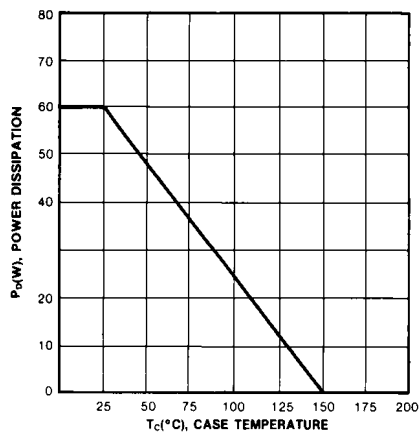
DC CURRENT GAIN

BASE-EMITTER SATURATION VOLTAGE
COLLECTOR-EMITTER SATURATION VOLTAGE

COLLECTOR OUTPUT CAPACITANCE



POWER DERATING



SAFE OPERATING AREA

