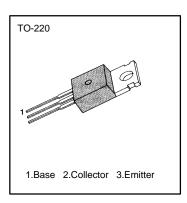
HIGH VOLTAGE SWITCHING USE IN HORIZONTAL DEFLECTION OUTPUT STAGE

ABSOLUTE MAXIMUM RATINGS

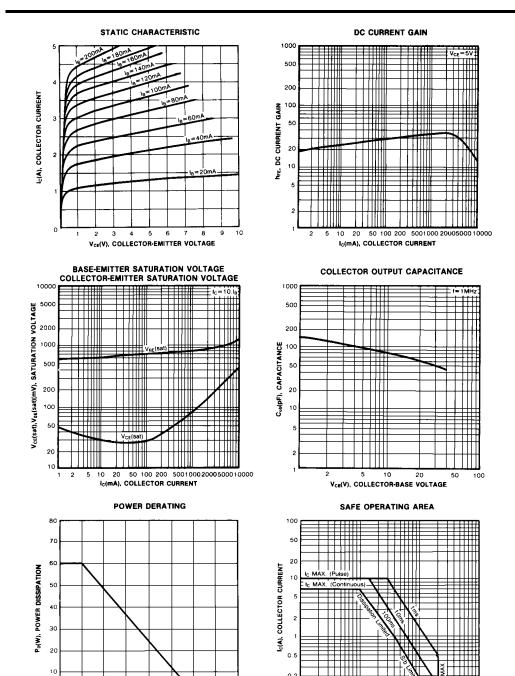
Characteristic	Symbol	Rating	Unit
Collector-Base Voltage	V _{CBO}	400	V
Collector-Emitter Voltage	V_{CEO}	200	V
Emitter-Base Voltage	V_{EBO}	6	V
Collector Current	I _C	7	Α
Collector Peck Current	I _{CM}	10	Α
Base Current	I _B	4	Α
Collector Dissipation (T _C =25°C)	Pc	60	W
Junction Temperature	TJ	150	°C
Storage Temperature	T _{STG}	-55 ~150	°C



ELECTRICAL CHARACTERISTICS (T_C =25°C)

Characteristic	Symbol	Test Conditions	Min	Max	Unit
Collector Cutoff Current (V _{BE} =0)	I _{CES}	$V_{CE} = 400V, V_{BE} = 0$		5	mA
		$V_{CE} = 250V, V_{BE} = 0$		100	μΑ
		$V_{CE} = 250V, V_{BE} = 0, T_{C} = 150^{\circ}C$		1	mA
Emitter Cutoff Current (I _C =0)	I _{EBO}	$V_{BE} = 6V, I_{C} = 0$		1	mA
Collector Emitter Saturation Voltage					
: BU406	V _{CE} (sat)	$I_C = 5A, I_B = 0.5A$		1	V
: BU406H		$I_C = 5A, I_B = 0.8A$		1	V
: BU408		$I_C = 6A, I_B = 1.2A$		1	V
Base Emitter Saturation Voltage					
: BU406	V _{BE} (sat)	$I_C = 5A$, $I_B = 0.5A$		1.2	V
: BU406H		$I_C = 5A$, $I_B = 0.5A$		1.2	V
: BU408		$I_C = 6A, I_B = 1.2A$		1.5	V
Current Gain- Bandwidth Product	f _T	$V_{CE} = 10V, I_{C} = 0.5A$	10		MHz
Turn-off Time : BU406	t _{off}	$I_C = 5A, I_B = 0.5A$		0.75	μs
: BU406H		$I_C = 5A, I_B = 0.8A$		0.4	μs
: BU408		$I_C = 6A, I_B = 1.2A$		0.4	μs





0.1

10 20

100 200

VCE(V), COLLECTOR-EMITTER VOLTAGE

500 1000

175 200



25

Tc(°C), CASE TEMPERATURE

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