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BU407/407H

High Voltage Switching

Use In Horizontal Deflection Output Stage



1.Base 2.Collector 3.Emitter

NPN Epitaxial Silicon Transistor

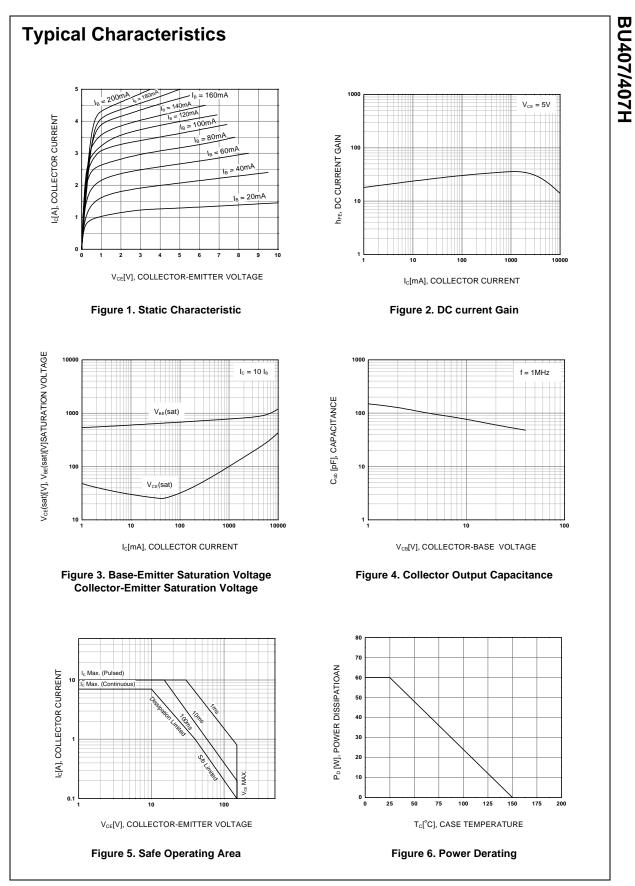
Absolute Maximum Ratings $T_{C}=25^{\circ}C$ unless otherwise noted

Symbol	Parameter	Value	Units
V _{CBO}	Collector-Base Voltage	330	V
V _{CEO}	Collector-Emitter Voltage	150	V
V _{EBO}	Emitter-Base Voltage	6	V
I _C	Collector Current (DC)	7	А
I _{CP}	Collector Current (Pulse)	10	А
I _B	Base Current	4	А
P _C	Collector Dissipation (T _C =25°C)	60	W
TJ	Junction Temperature	150	°C
T _{STG}	Storage Temperature	- 65 ~ 150	°C

Electrical Characteristics ${\rm T_{C}=25^{\circ}C}$ unless otherwise noted

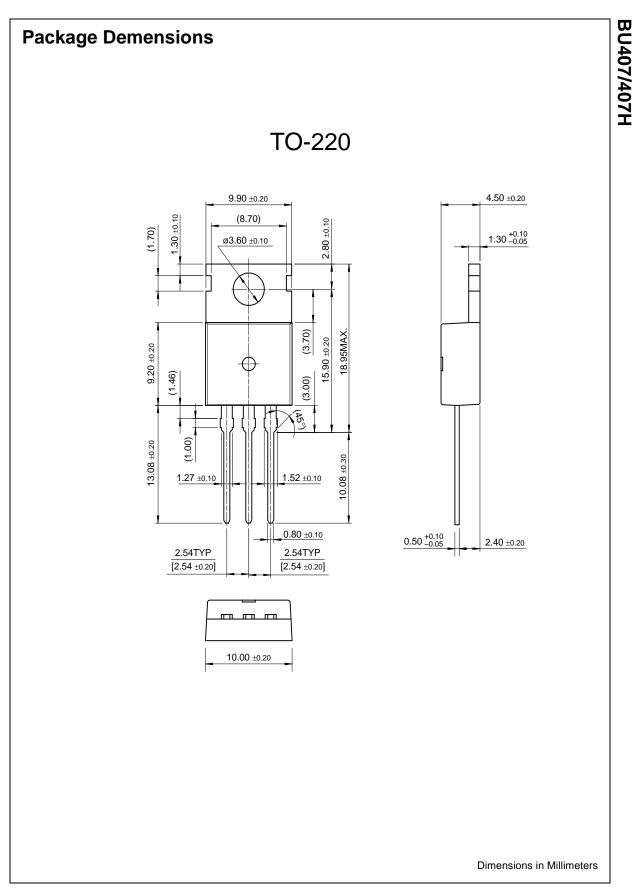
Symbol	Parameter	Test Condition	Min.	Max.	Units
ICES	Collector Cut-off Current	V _{CE} = 330V, V _{BE} = 0		5	mA
		$V_{CE} = 200V, V_{BE} = 0$		100	μΑ
		$V_{CE} = 200V, V_{BE} = 0 @ T_{C} = 150^{\circ}C$		1	mA
I _{EBO}	Emitter Cut-off Current	$V_{BE} = 6V, I_{C} = 0$		1	mA
V _{CE} (sat)	Collector-Emitter Saturation Voltage				
	: BU407	I _C = 5A, I _B = 0.5A		1	V
	: BU407H	$I_{\rm C} = 5$ A, $I_{\rm B} = 0.8$ A		1	V
V _{BE} (sat)	Base-Emitter Saturation Voltage				
	: BU407	I _C = 5A, I _B = 0.5A		1.2	V
	: BU407H	$I_{\rm C} = 5$ A, $I_{\rm B} = 0.8$ A		1.2	V
f _T	Current Gain Bandwidth Product	$V_{CE} = 10V, I_{C} = 0.5A$	10		MHz
t _{OFF}	Turn OFF Time				
	: BU407	I _C = 5A, I _B = 0.5A		0.75	μs
	: BU407H	$I_{\rm C} = 5$ A, $I_{\rm B} = 0.5$ A $I_{\rm C} = 5$ A, $I_{\rm B} = 0.8$ A		0.4	μs

BU407/407H



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