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WW.100X.COM.TV

BU406/406H/408

High Voltage Switching

WW.100Y.COM.TW Use In Horizontal Deflection Output Stage WWW.100Y.COM.TW



BU406/406H/408

1.Base 2.Collector 3.Emitter

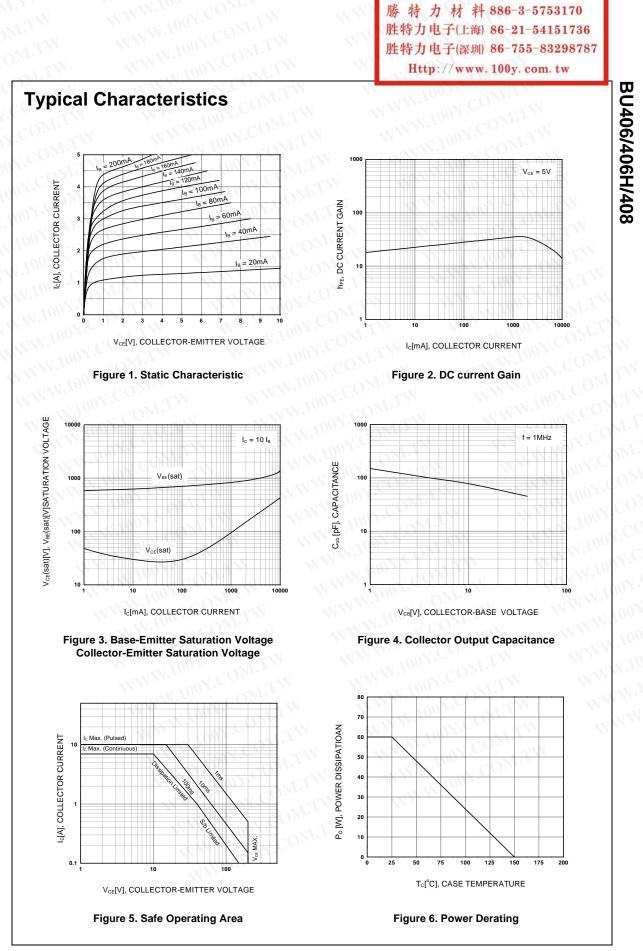
NPN Epitaxial Silicon Transistor

Absolute Maximum Ratings T_C=25°C unless otherwise noted

Symbol	Parameter	Value	Units
V _{CBO}	Collector-Base Voltage	400	00 V -
V _{CEO}	Collector-Emitter Voltage	200	V
V _{EBO}	Emitter-Base Voltage	6	V
lc	Collector Current (DC)	7	A
I _{CP}	Collector Current (Pulse)	10	А
в	Base Current	4	A
Pc	Collector Dissipation	60	W
Г _Ј	Junction Temperature	150	°C
T _{STG}	Storage Temperature	- 55 ~ 150	°C

Electrical Characteristics T_C=25°C unless otherwise noted

Symbol	Parameter	Test Condition	Min.	Max.	Units
I _{CES}	Collector Cut-off Current	$V_{CE} = 400V, V_{BE} = 0$ $V_{CE} = 250V, V_{BE} = 0$ $V_{CE} = 250V, V_{BE} = 0 @ T_{C} = 150^{\circ}C$	TW	5 100 1	mA μA mA
I _{EBO}	Emitter Cut-off Current	$V_{BE} = 6V, I_{C} = 0$	V.L.	1	mA
V _{CE} (sat)	Collector-Emitter Saturation Voltage : BU406 : BU406H : BU408	$I_{C} = 5A, I_{B} = 0.5A$ $I_{C} = 5A, I_{B} = 0.8A$ $I_{C} = 6A, I_{B} = 1.2A$	M.T.	1	V V V
V _{BE} (sat)	Base-Emitter Saturation Voltage : BU406 : BU406H : BU408	$I_{C} = 5A, I_{B} = 0.5A$ $I_{C} = 5A, I_{B} = 0.5A$ $I_{C} = 6A, I_{B} = 1.2A$	co ^M LCON	1.2 1.2 1.5	V V V
f _T	Current Gain Bandwidth Product	$V_{CE} = 10V, I_{C} = 0.5A$	10		MHz
OFF	Turn OFF Time : BU406 : BU406H : BU408	$I_{C} = 5A, I_{B} = 0.5A$ $I_{C} = 5A, I_{B} = 0.8A$ $I_{C} = 6A, I_{B} = 1.2A$		0.75 0.4 0.4	μs μs μs



勝

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WWW.100

WWW.100Y.COM.TW Typical Characteristics (Continued) WWW.100Y.COM.TW

WW.100Y.COM.TW

Y.COM.TW OY.COM.TW 00X.COM.TW 100X.COM.TW 100Y.COM.TW W.100Y.COM.TW W.100Y.COM.TW WW.100Y.COM.TW

WWW.100Y.COM.TW

100Y.COM.TW

BU406/406H/408

M.TW OM.TW

I.COM.TW

JOY.COM.TW 100Y.COM.TW

N.100Y.COM.T

WW.100Y.COM

WWW.100Y.COM.TW

Figure 7. Static Characteristic VWW.100Y.COM.TW WWW.100Y.COT

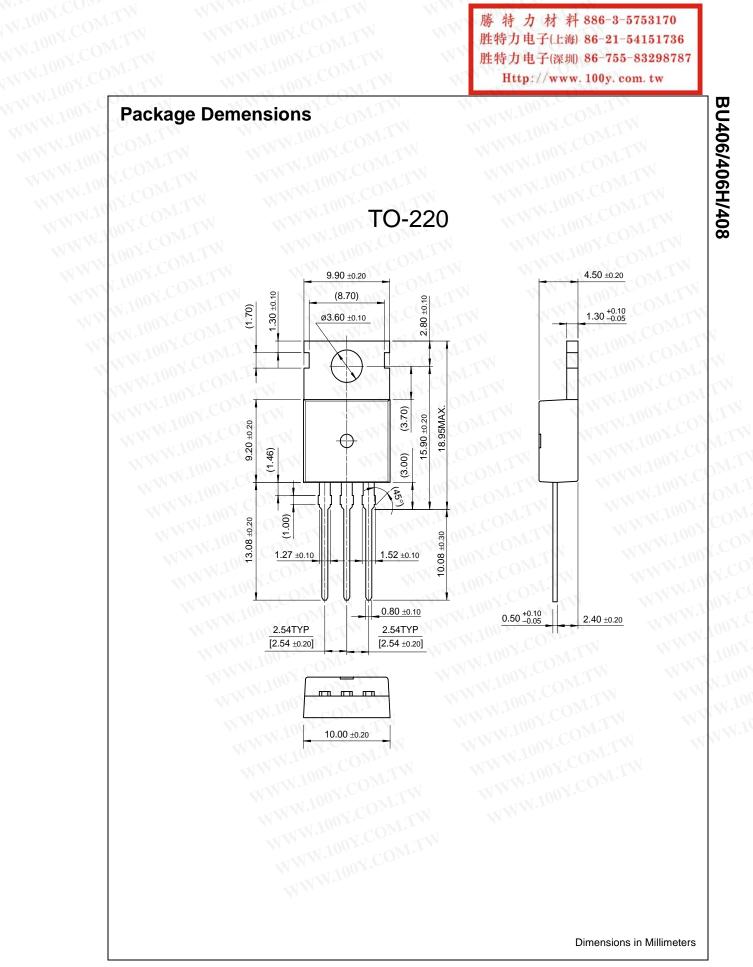
W.100Y.COM.T Figure 8. DC current Gain WWW.100Y.COM.TW WWW.100Y.COM WWW.100Y.COM.TW

WWW.100Y.CO

WWW.100Y.C

WWW.100Y

WWW.1005



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