

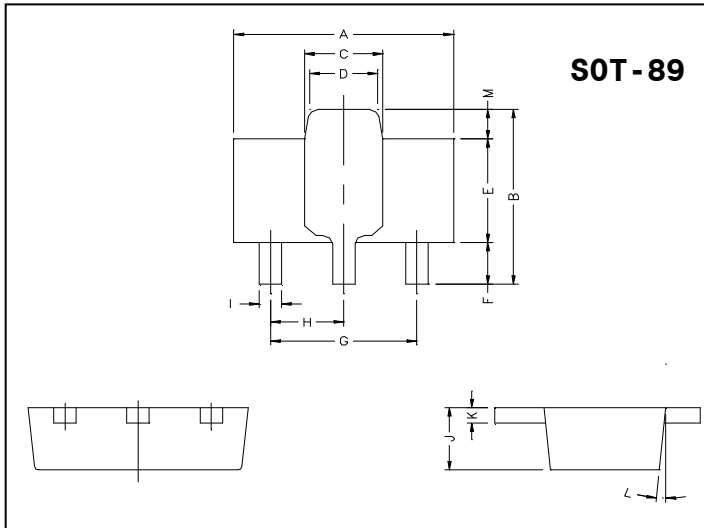
## GMA06

### NPN SILICON TRANSISTOR

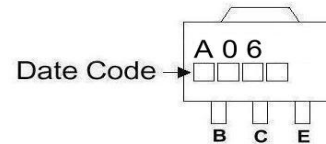
#### Description

The GMA06 is Amplifier Transistor.

#### Package Dimension



#### Marking :



REF.	Millimeter		REF.	Millimeter	
	Min.	Max.		Min.	Max.
A	4.4	4.6	G	3.00	REF.
B	4.05	4.25	H	1.50	REF.
C	1.50	1.70	I	0.40	0.52
D	1.30	1.50	J	1.40	1.60
E	2.40	2.60	K	0.35	0.41
F	0.89	1.20	L	5° TYP.	
			M	0.70 REF.	

#### Absolute Maximum Ratings

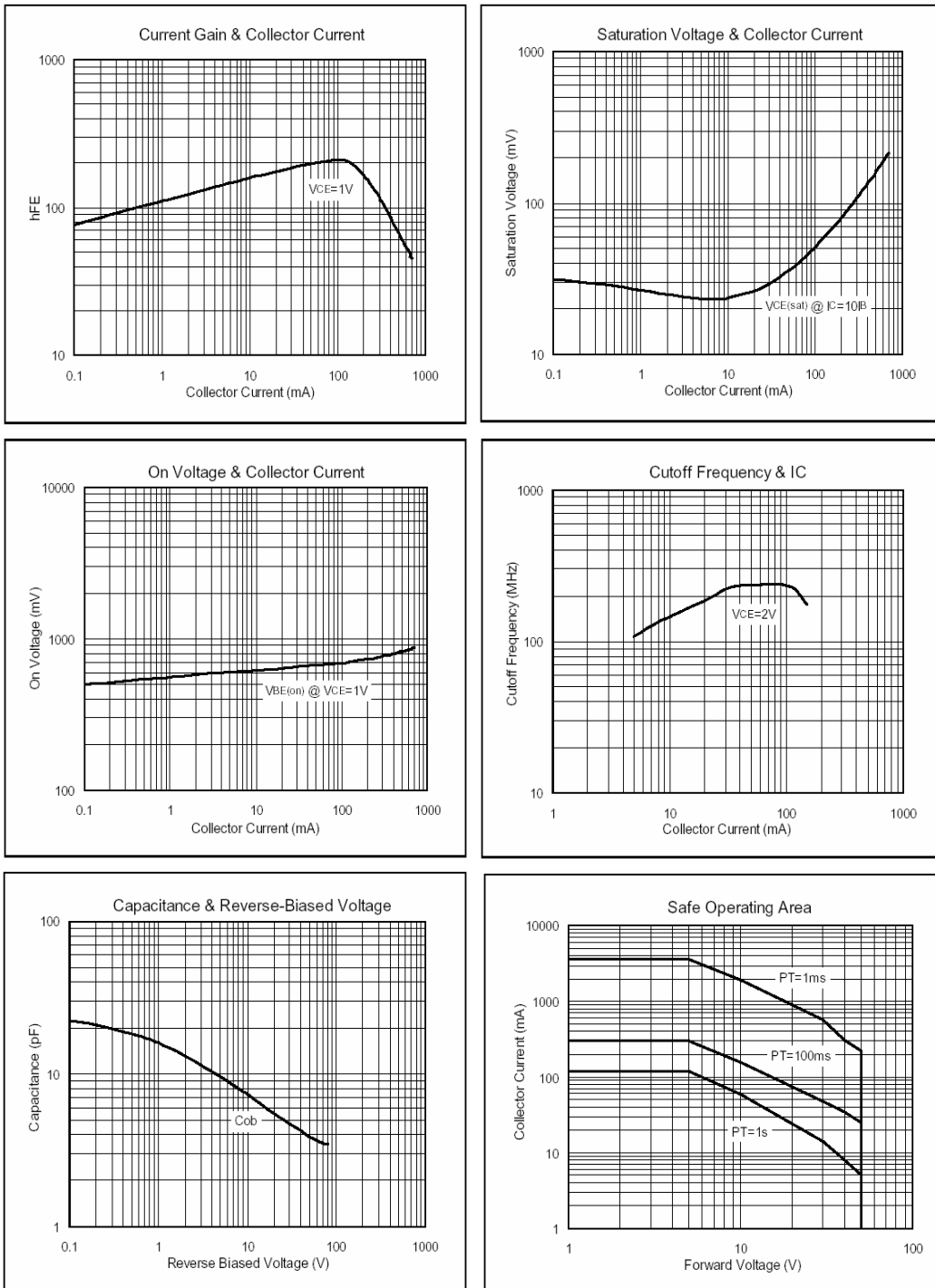
Parameter	Symbol	Ratings	Unit
Junction Temperature	T <sub>j</sub>	+150	°C
Storage Temperature	T <sub>stg</sub>	-55~+150	°C
Collector to Base Voltage	V <sub>CB0</sub>	80	V
Collector to Emitter Voltage	V <sub>CE0</sub>	80	V
Emitter to Base Voltage	V <sub>EB0</sub>	4	V
Collector Current	I <sub>c</sub>	500	mA
Total Power Dissipation at Ta=25°C	P <sub>d</sub>	1.2	W

#### Characteristics at Ta = 25°C

Symbol	Min.	Typ.	Max.	Unit	Test Conditions
V <sub>CB0</sub>	80	-	-	V	I <sub>c</sub> =100uA
V <sub>CE0</sub>	80	-	-	V	I <sub>c</sub> =1mA
V <sub>EB0</sub>	4	-	-	V	I <sub>E</sub> =100uA
I <sub>CB0</sub>	-	-	100	nA	V <sub>CB</sub> =80V
I <sub>CE0</sub>	-	-	100	nA	V <sub>CE</sub> =60V
*V <sub>CE(sat)</sub>	-	-	250	mV	I <sub>c</sub> =100mA, I <sub>B</sub> =10mA
V <sub>BE(sat)</sub>	-	-	1.2	V	I <sub>c</sub> =100mA, V <sub>CE</sub> =1V
*h <sub>FE1</sub>	50	-	-		V <sub>CE</sub> =1V, I <sub>c</sub> =10mA
*h <sub>FE2</sub>	50	-	-		V <sub>CE</sub> =1V, I <sub>c</sub> =100mA
f <sub>T</sub>	100	-	-	MHz	V <sub>CE</sub> =2V, I <sub>c</sub> =10mA, f=100MHz

\*Pulse Test:Pulse width ≤380us,Duty Cycle≤2%

## Characteristics Curve



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