

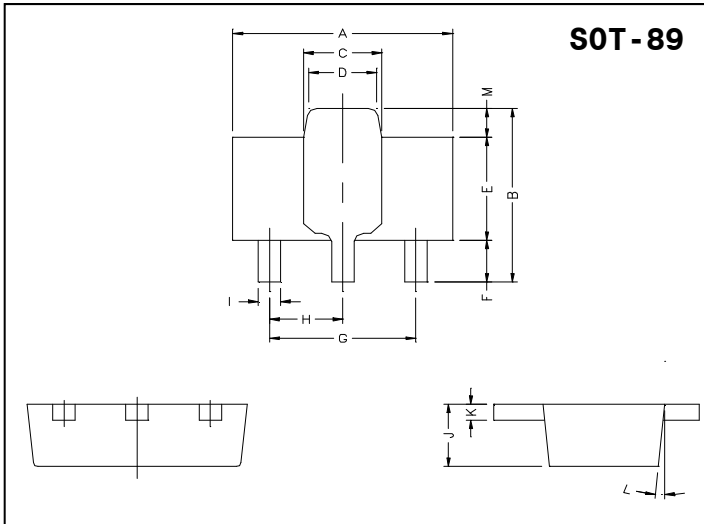
## GM882

### NPN EPITAXIAL PLANAR TRANSISTOR

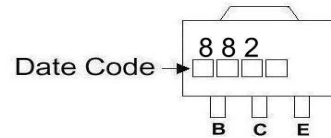
#### Description

The GM882 is suited for the output stage of 1.5W audio, voltage regulator , and relay driver.

#### 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 at Ta=25	V <sub>CB0</sub>	40	V
Collector to Emitter Voltage at Ta=25	V <sub>CEO</sub>	30	V
Emitter to Base Voltage at Ta=25°C	V <sub>EBO</sub>	5.0	V
Collector Current at Ta=25°C	I <sub>C</sub>	3.0	A
Total Power Dissipation at Ta=25°C	P <sub>D</sub>	1.2	W

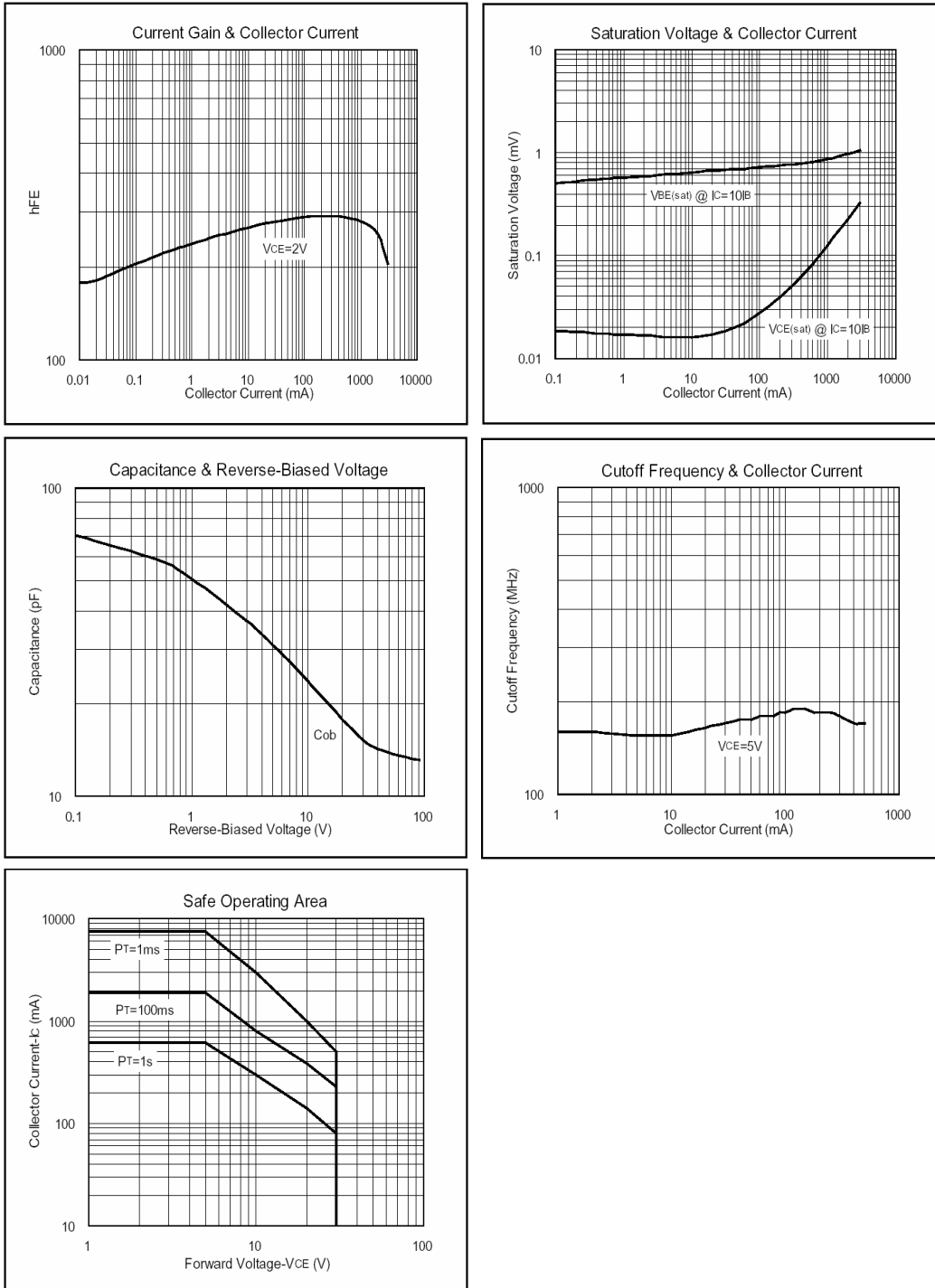
#### Characteristics at Ta = 25°C

Symbol	Min.	Typ.	Max.	Unit	Test Conditions
B <sub>V</sub> C <sub>B</sub> O	40	-	-	V	I <sub>C</sub> =100uA ,I <sub>E</sub> =0
B <sub>V</sub> C <sub>E</sub> O	30	-	-	V	I <sub>C</sub> =1mA, I <sub>B</sub> =0
B <sub>V</sub> E <sub>B</sub> O	5	-	-	V	I <sub>E</sub> =10uA
I <sub>C</sub> B <sub>O</sub>	-	-	1	uA	V <sub>CB</sub> =30V
I <sub>E</sub> B <sub>O</sub>	-	-	1	uA	V <sub>EB</sub> =3V
V <sub>C</sub> E(sat)	-	-	0.5	V	I <sub>C</sub> =2A, I <sub>B</sub> =0.2A
V <sub>B</sub> E(sat)	-	-	2	V	I <sub>C</sub> =2A, I <sub>B</sub> =0.2A
h <sub>FE</sub> 1	30	-	-		V <sub>C</sub> E=2V, I <sub>C</sub> =20mA
h <sub>FE</sub> 2	100	-	500		V <sub>C</sub> E=2V, I <sub>C</sub> =1A
FT	-	90	-	MHz	V <sub>C</sub> E=5V, I <sub>C</sub> =0.1A, f=100MHz
C <sub>ob</sub>	-	45	-	Pf	V <sub>CB</sub> =10V, I <sub>E</sub> =0, f=1MHz

#### Classification Of hFE

Rank	Q	P	E
Range	100-200	160-320	250-500

## Characteristics Curve



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