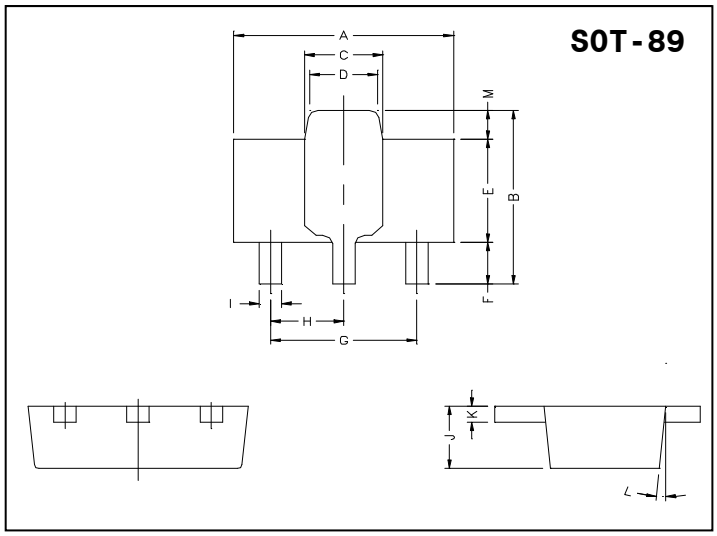
GM882

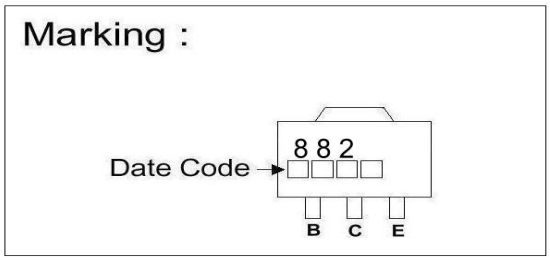
NPN EPITAXIAL PLANAR TRANSISTOR

Description

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

Package Dimension





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	Tj	+150	℃
Storage Temperature	Tstg	-55 ~ +150	℃
Collector to Base Voltage at Ta=25℃	VCBO	40	V
Collector to Emitter Voltage at Ta=25℃	VCEO	30	V
Emitter to Base Voltage at Ta=25℃	VEBO	5.0	V
Collector Current at Ta=25℃	IC	3.0	A
Total Power Dissipation at Ta=25℃	PD	1.2	W

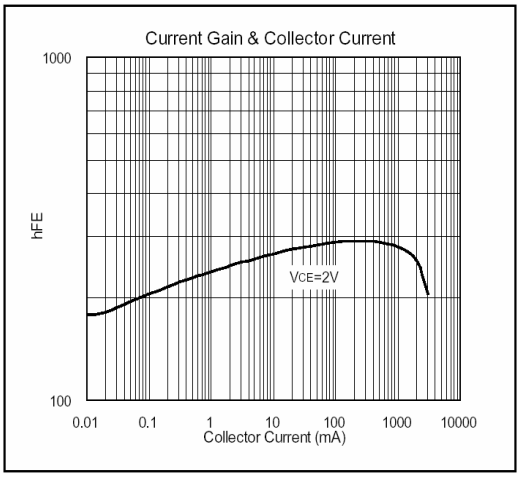
Characteristics at Ta = 25℃

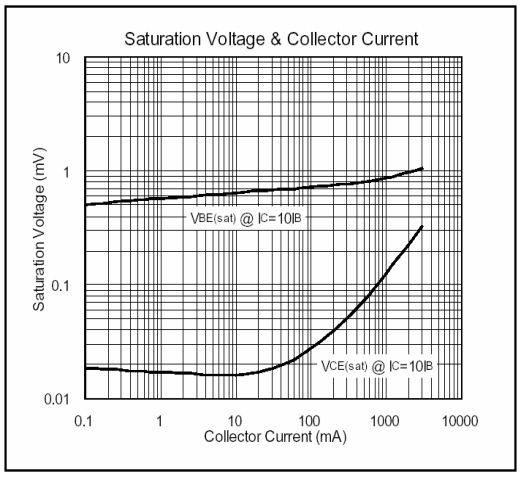
Symbol	Min.	Typ.	Max.	Unit	Test Conditions
BVCBO	40	-	-	V	IC=100uA ,IE=0
BVCEO	30	-	-	V	IC=1mA,IB=0
BVEBO	5	-	-	V	IE=10uA
ICBO	-	-	1	uA	VCB=30V
IEBO	-	-	1	uA	VEB=3V
VCE(sat)	-	-	0.5	V	IC=2A, IB=0.2A
VBE(sat)	-	-	2	V	IC=2A, IB=0.2A
hFE1	30	-	-		VCE=2V, IC=20mA
hFE2	100	-	500		VCE=2V, IC=1A
FT	-	90	-	MHz	VCE=5V, IC=0.1A, f=100MHz
Cob	-	45	-	Pf	VCB=10V,IE=0, f=1MHz

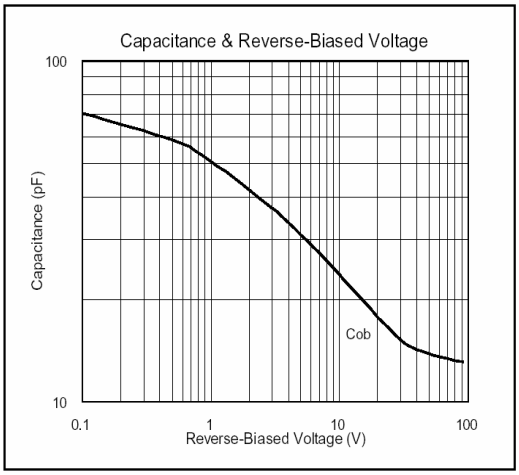
Classification Of hFE

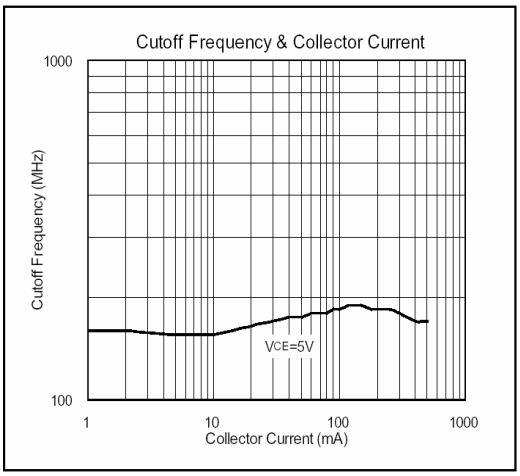
Rank	Q	P	E
Range	100-200	160-320	250-500

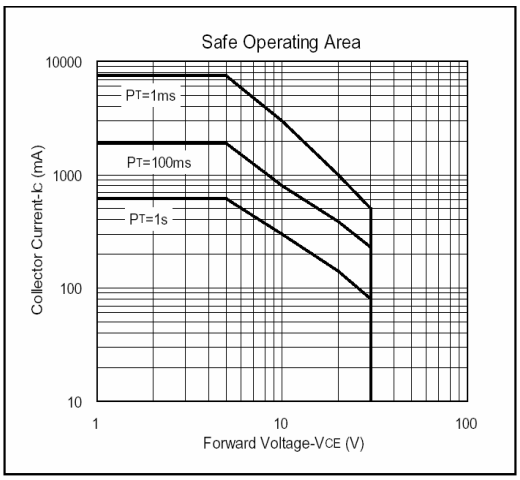
Characteristics Curve











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