

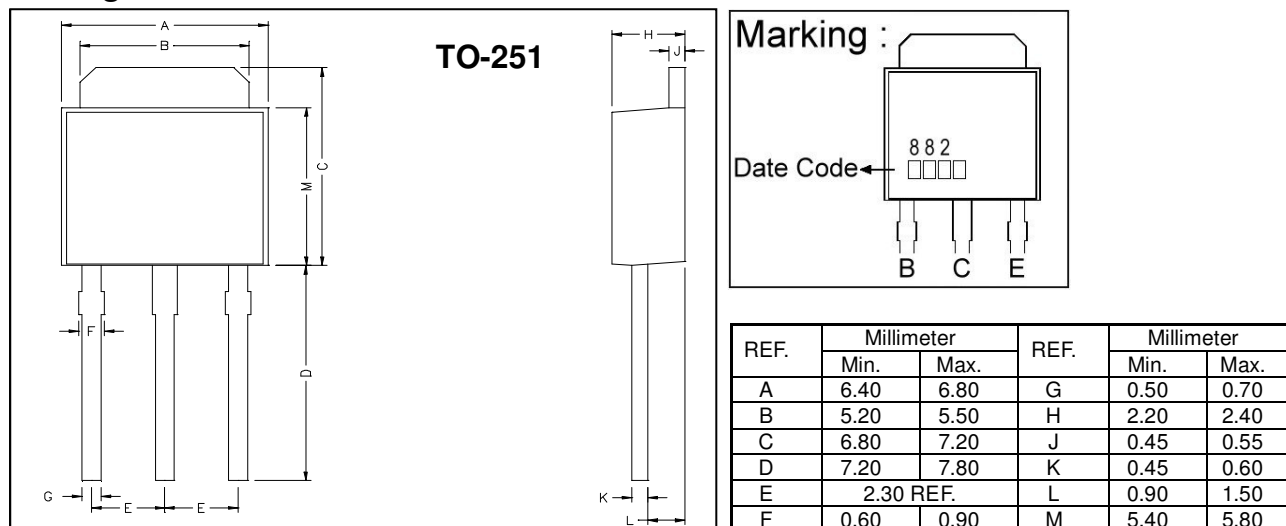
GI882

NPN EPITAXIAL PLANAR TRANSISTOR

Description

The GI882 is designed for using in output stage of 20W amplifier, voltage regulator, DC-DC converter and relay driver.

Package Dimensions



Absolute Maximum Ratings at Ta = 25°C

Parameter	Symbol	Ratings	Unit
Junction Temperature	T _j	+150	°C
Storage Temperature	T _{stg}	-55~+150	°C
Collector to Base Voltage	V _{CB0}	40	V
Collector to Emitter Voltage	V _{CEO}	30	V
Emitter to Base Voltage	V _{EBO}	5	V
Collector Current	I _C	3	A
Collector Current (Pulse)	I _C	7	A
Base Current	I _B	0.6	A
Total Power Dissipation(T _C =25°C)	P _D	10	W

Electrical Characteristics (Ta = 25°C)

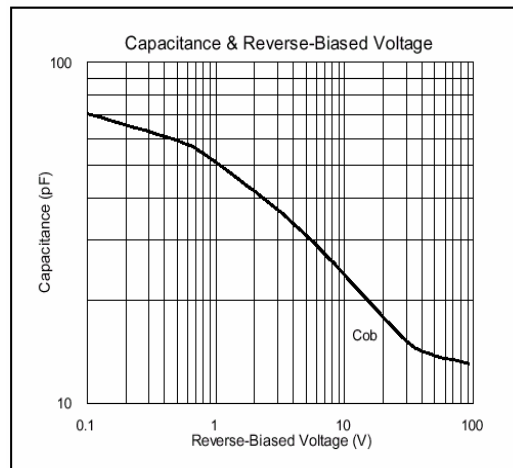
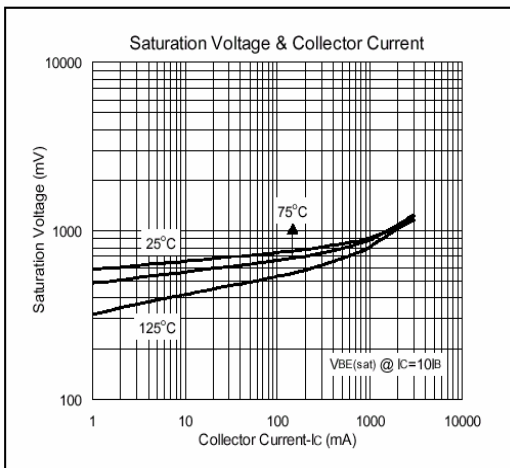
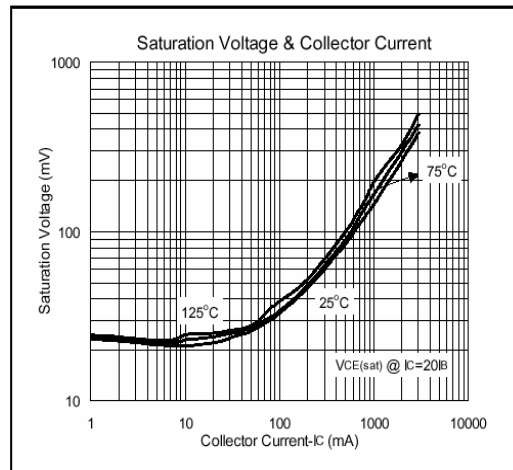
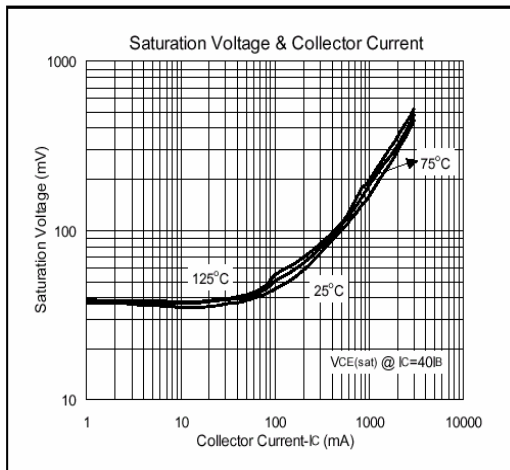
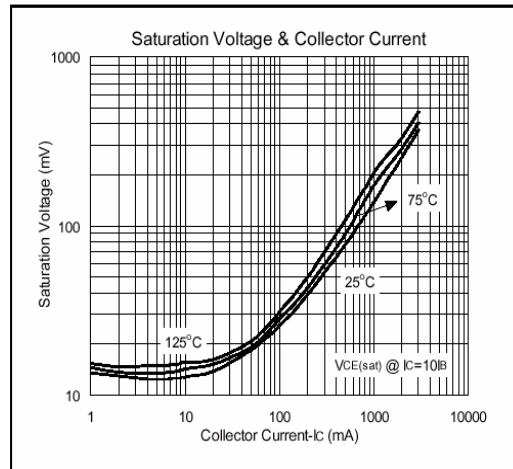
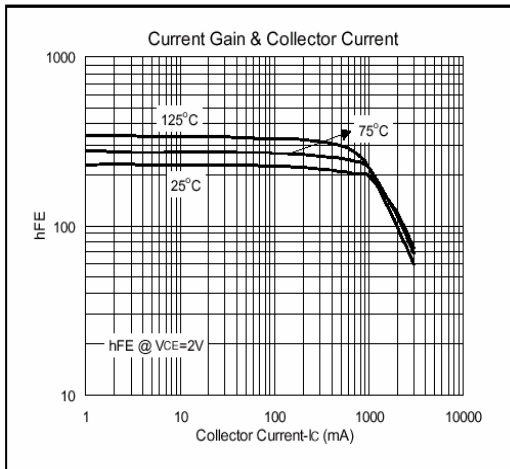
Symbol	Min.	Typ.	Max.	Unit	Test Conditions
BV _{CB0}	40	-	-	V	I _C =100uA, I _E =0
BV _{CEO}	30	-	-	V	I _C =1mA, I _B =0
BV _{EBO}	5	-	-	V	I _E =10uA, I _C =0
I _{CB0}	-	-	1	uA	V _{CB} =30V, I _E =0
I _{EBO}	-	-	1	uA	V _{EB} =3V, I _C =0
*V _{CE(sat)}	-	-	0.5	V	I _C =2A, I _B =0.2A
*V _{BE(sat)}	-	1	2	V	I _C =2A, I _B =0.2A
*h _{FE1}	30	-	-		V _{CE} =2V, I _C =20mA
*h _{FE2}	100	-	500		V _{CE} =2V, I _C =1A
f _T	-	90	-	MHz	V _{CE} =5V, I _C =0.1A, f=100MHz
C _{ob}	-	45	-	pF	V _{CB} =10V, I _E =0, f=1MHz

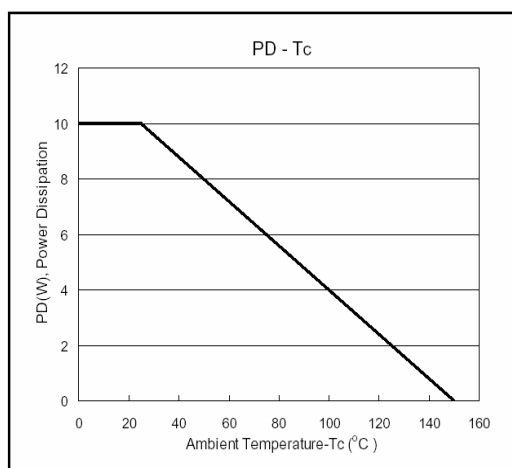
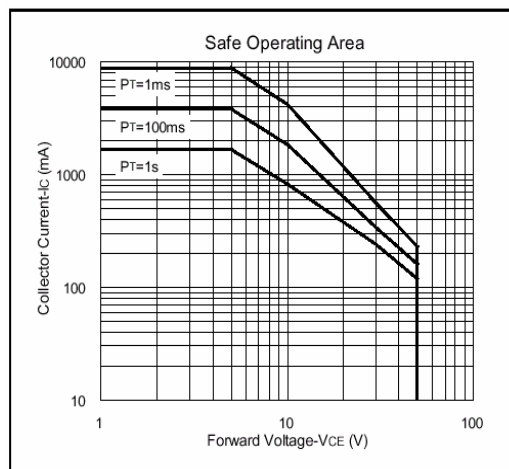
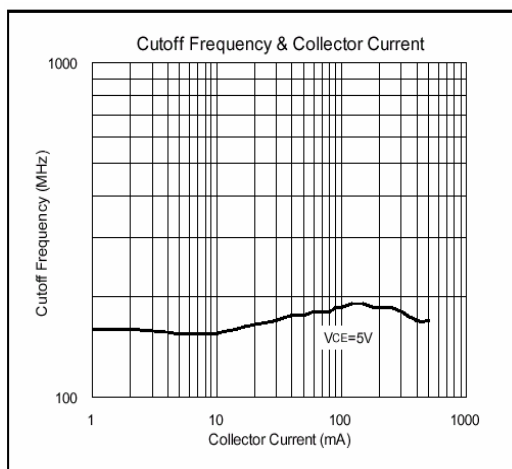
* Pulse Test: Pulse Width ≤ 380μs, Duty Cycle ≤ 2%

Classification Of hFE2

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

Characteristics Curve





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