

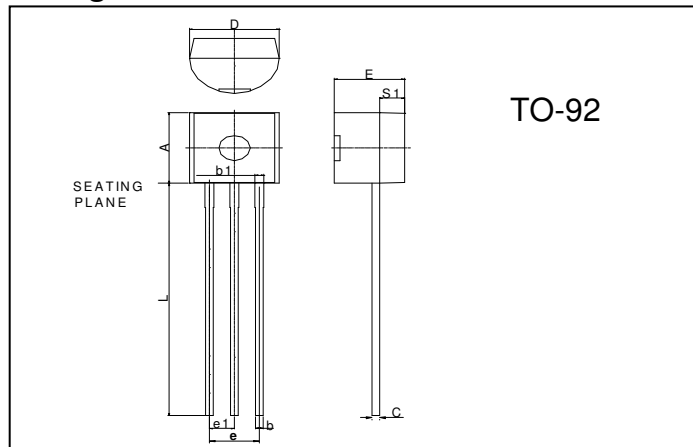
GSD882S

PNP EPITAXIAL PLANAR TRANSISTOR

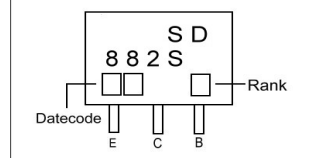
Description

The GSD882S is suited for the output stage of 0.75W audio, voltage regulator, and relay driver.

Package Dimensions



Marking :



REF.	Millimeter		REF.	Millimeter	
	Min.	Max.		Min.	Max.
A	4.45	4.7	D	4.44	4.7
S1	1.02	-	E	3.30	3.81
b	0.36	0.51	L	12.70	-
b1	0.36	0.76	e1	1.150	1.390
C	0.36	0.51	e	2.42	2.66

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 at Ta=25°C	VCBO	40	V
Collector to Emitter Voltage at Ta=25°C	VCEO	30	V
Emitter to Base Voltage at Ta=25°C	VEBO	5.0	V
Collector Current at Ta=25°C	I _C	3.0	A
Total Power Dissipation at Ta=25°C	PD	750	mW

Characteristics at Ta = 25°C

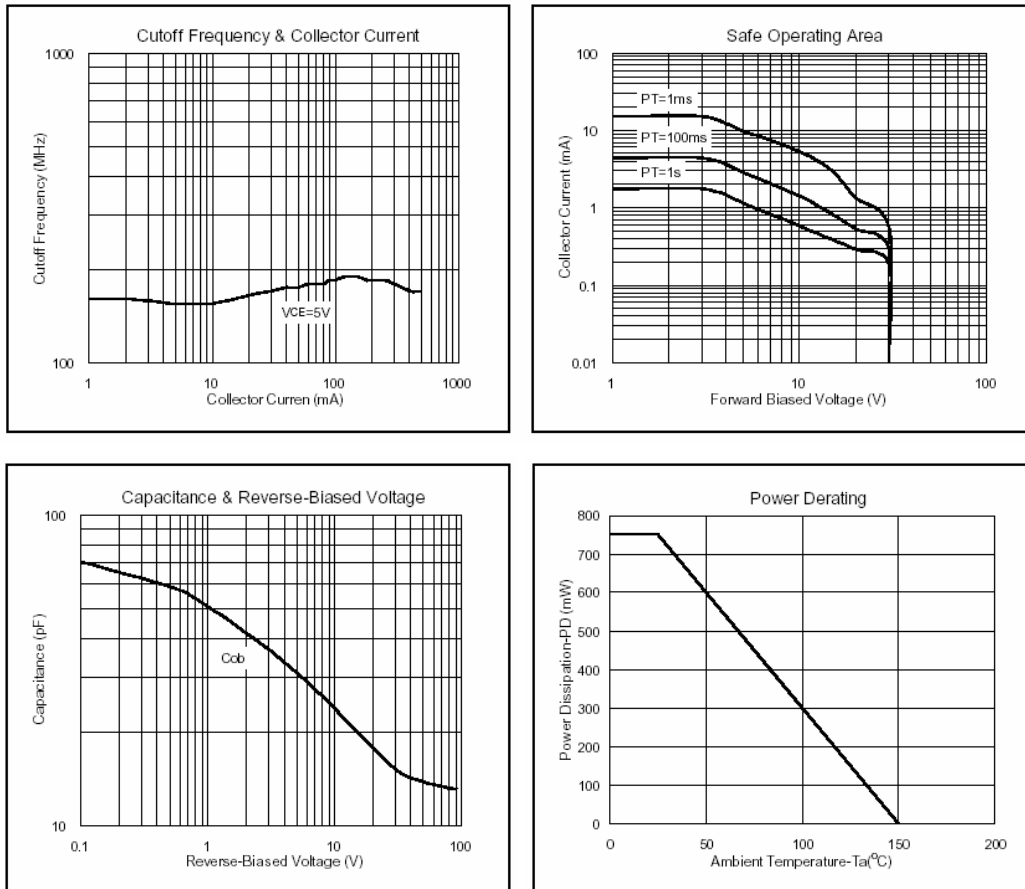
Symbol	Min.	Typ.	Max.	Unit	Test Conditions
BVCBO	40	-	-	V	I _C =100μA, I _E =0
BVCEO	30	-	-	V	I _C =1mA, I _B =0
BVEBO	5	-	-	V	I _E =10μA
ICBO	-	-	1	μA	VCB=30V
IEBO	-	-	1	μA	VEB=3V
*VCE(sat)	-	-	0.5	V	I _C =2A, I _B =0.2A
*VBE(sat)	-	-	2	V	I _C =2A, I _B =0.2A
*hFE1	30	-	-		VCE=2V, I _C =20mA
*hFE2	100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



Important Notice:

- All rights are reserved. Reproduction in whole or in part is prohibited without the prior written approval of GTM.
- GTM reserves the right to make changes to its products without notice.
- GTM semiconductor products are not warranted to be suitable for use in life-support Applications, or systems.
- GTM assumes no liability for any consequence of customer product design, infringement of patents, or application assistance.

Head Office And Factory:

- **Taiwan:** No. 17-1 Tatung Rd. Fu Kou Hsin-Chu Industrial Park, Hsin-Chu, Taiwan, R. O. C.
TEL : 886-3-597-7061 FAX : 886-3-597-9220, 597-0785
- **China:** (201203) No.255, Jang-Jiang Tsai-Lueng RD. , Pu-Dung-Hsin District, Shang-Hai City, China
TEL : 86-21-5895-7671 ~ 4 FAX : 86-21-38950165