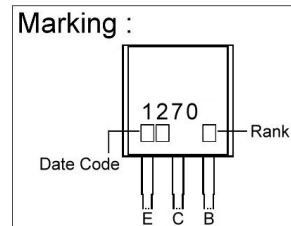
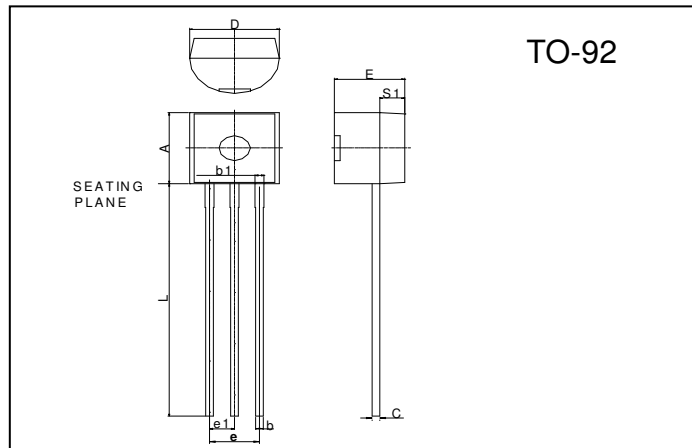


G1270**PNP EPITAXIAL PLANAR TRANSISTOR****Description**

The G1270 is designed for general purpose switching and amplifier applications.

Features

- Excellent $h_{FE}(2)=25(\text{Min.})$ @ $V_{CE}=-6V$, $I_C=-400mA$

Package Dimensions

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 (TA=25°C)

Parameter	Symbol	Ratings	Unit
Collector to Base Voltage	V_{CBO}	-35	V
Collector to Emitter Voltage	V_{CEO}	-30	V
Emitter to Base Voltage	V_{EBO}	-5	V
Collector Current (DC)	I_C	-500	mA
Total Device Dissipation	P_D	625	mW
Junction Temperature	T_J	150	°C
Storage Temperature	T_{stg}	-55 ~ +150	°C

Electrical Characteristics (TA = 25°C unless otherwise noted)

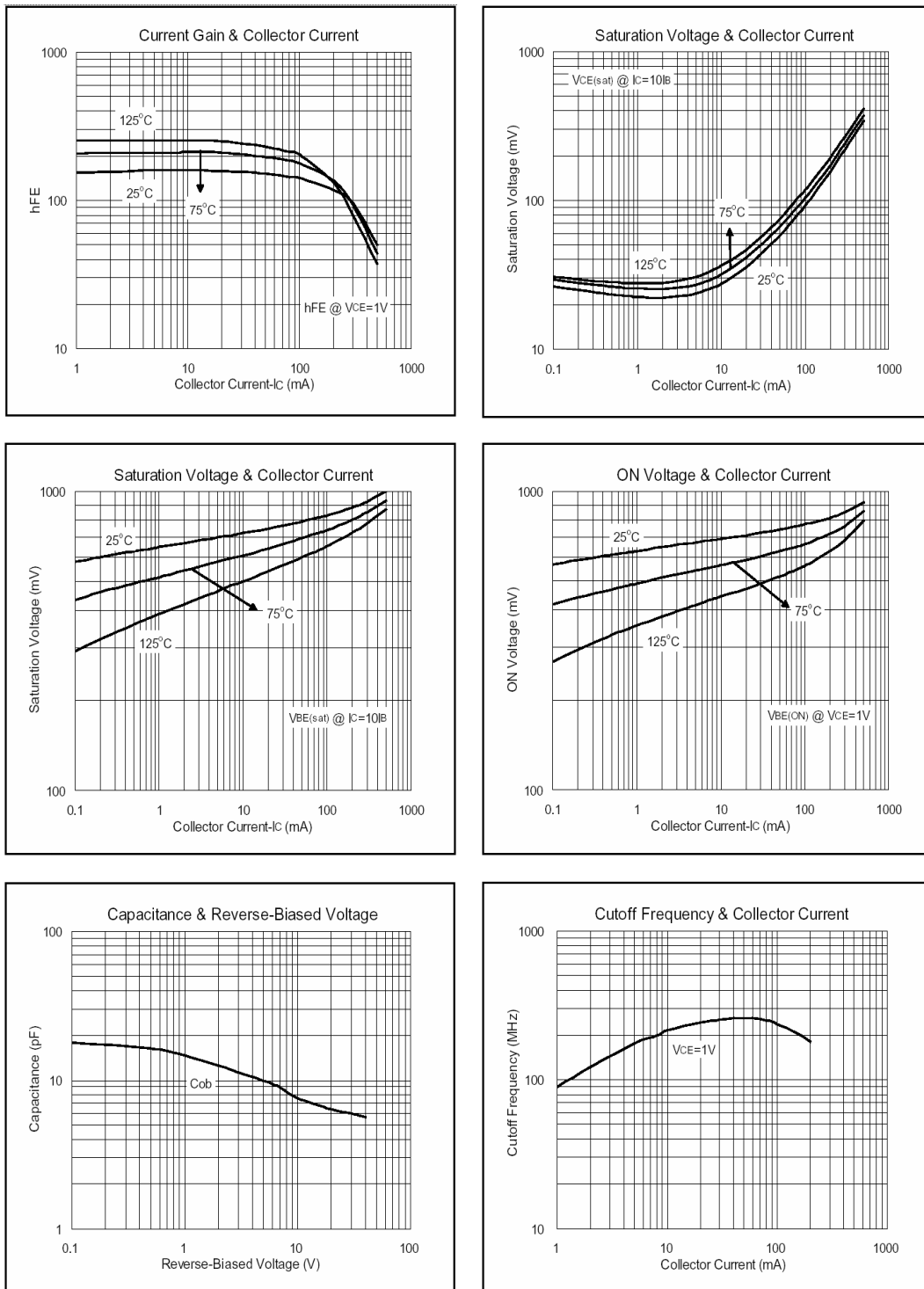
Symbol	Min.	Typ.	Max.	Unit	Test Conditions
V_{CBO}	-35	-	-	V	$I_C=-100\mu A$, $I_E=0$
V_{CEO}	-30	-	-	V	$I_C=-1mA$, $I_B=0$
V_{EBO}	-5	-	-	V	$I_E=-100\mu A$, $I_C=0$
I_{CBO}	-	-	-100	nA	$V_{CB}=-35V$, $I_E=0$
I_{EBO}	-	-	-100	nA	$V_{EB}=-5V$, $I_C=0$
* $V_{CE(sat)}$	-	-	-0.25	V	$I_C=-100mA$, $I_B=-10mA$
* $V_{BE(on)}$	-	-	-1.0	V	$V_{CE}=-1V$, $I_C=-100mA$
* h_{FE1}	70	-	240		$V_{CE}=-1V$, $I_C=-100mA$
* h_{FE2}	25	-	-		$V_{CE}=-6V$, $I_C=-400mA$
f_T	100	-	-	MHz	$V_{CE}=-1V$, $I_C=-10mA$, $f=100MHz$
C_{ob}	-	-	8	pF	$V_{CB}=-10V$, $I_E=0$, $f=1MHz$

*Pulse Test: Pulse Width $\leq 380\mu s$, Duty Cycle $\leq 2\%$

Classification Of h_{FE}

Rank	O	Y
h_{FE1} Range	70 - 140	120 - 240
h_{FE2} Range	Min. 25	Min. 40

Characteristics Curve



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