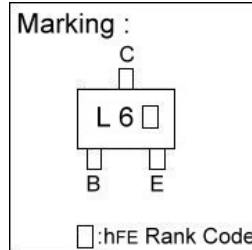
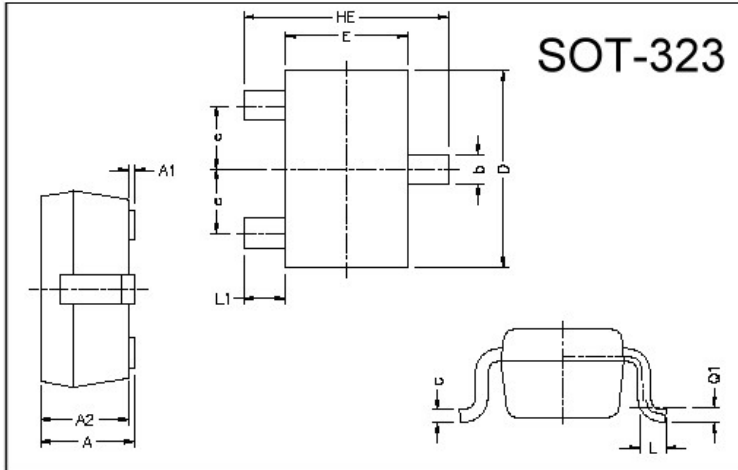


GSMBT1623 NPN EPITAXIAL PLANAR TRANSISTOR

Description

The GSMBT1623 is designed for use driver stage of AF amplifier and general purpose application.

Package Dimensions



REF.	Millimeter		REF.	Millimeter	
	Min.	Max.		Min.	Max.
A	0.80	1.10	L1	0.42 REF.	
A1	0	0.10	L	0.15	0.35
A2	0.80	1.00	b	0.25	0.40
D	1.80	2.20	c	0.10	0.25
E	1.15	1.35	e	0.65 REF.	
HE	1.80	2.40	Q1	0.15 BSC.	

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	VCBO	60	V
Collector to Emitter Voltage	VCEO	50	V
Emitter to Base Voltage	VEBO	5	V
Collector Current	I _C	150	mA
Total Power Dissipation	PD	250	mW

Characteristics at Ta = 25°C

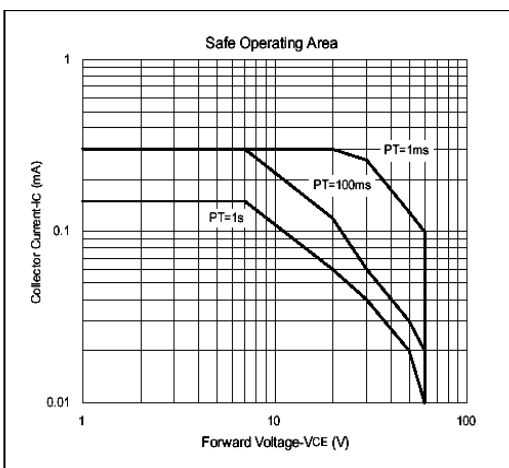
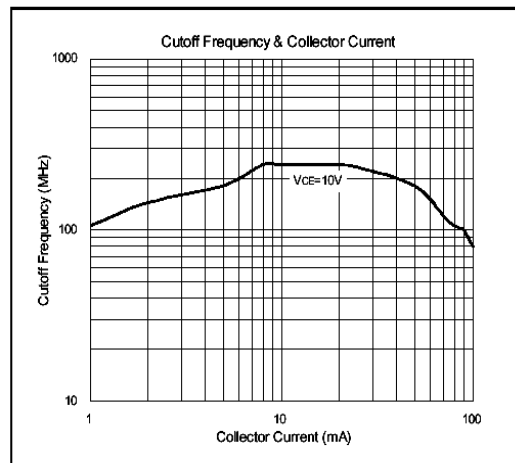
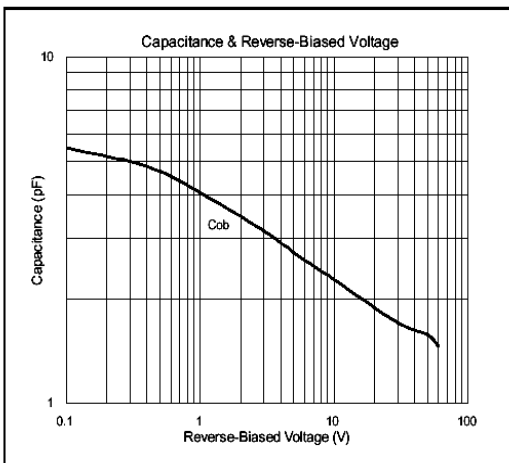
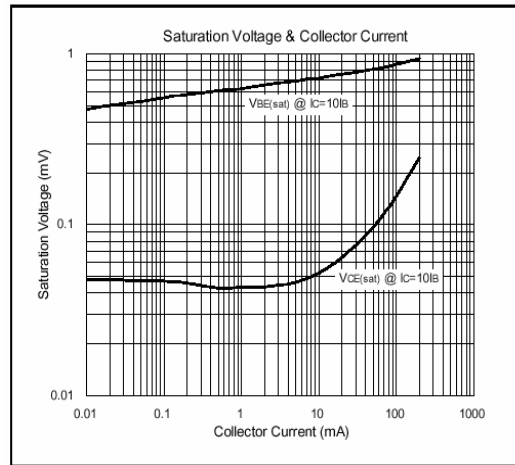
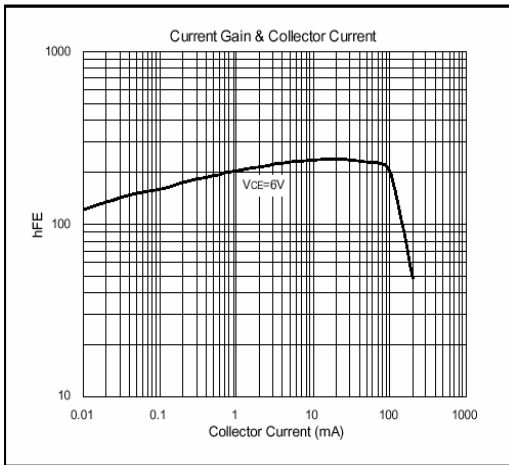
Symbol	Min.	Typ.	Max.	Unit	Test Conditions
BVCBO	60	-	-	V	I _C =100uA
BVCEO	50	-	-	V	I _C =1mA
BVEBO	5	-	-	V	I _E =10uA
ICBO	-	-	100	nA	V _{CB} =60V
IEBO	-	-	100	nA	V _{EB} =5V
*VCE(sat)	-	-	250	mV	I _C =100mA, I _B =10mA
*VBE(sat)1	-	-	1.0	V	I _C =100mA, I _B =10mA
*hFE1	90	-	600		VCE=6V, I _C =1mA
*hFE2	25	-	-		VCE=6V, I _C =150mA
*hFE3	80	-	-		VCE=1V, I _C =10mA
f _T	80	-	-	MHz	VCE=10V, I _C =1mA, f=100MHz
C _{ob}	-	-	3.5	pF	V _{CB} =10V, f=1MHz, I _E =0A

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

Classification Of hFE1

Rank	L6P	L6Y	L6G	L6B
Range	90 - 180	135 - 270	200 - 400	300 - 600

Characteristics Curve



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