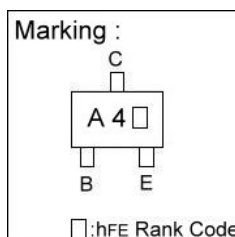
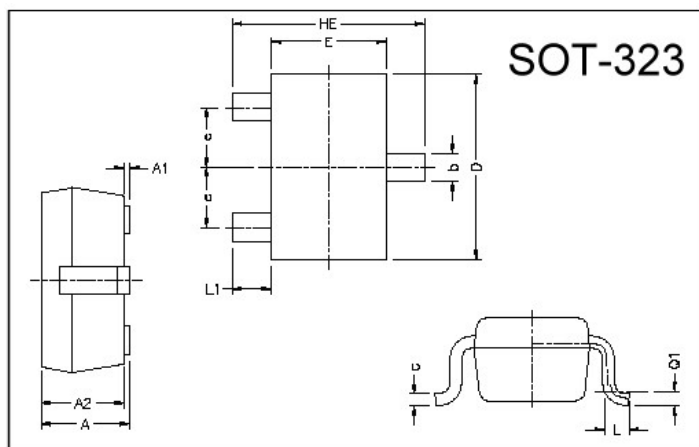


## GSMBT1015 PNP EPITAXIAL PLANAR TRANSISTOR

### Description

The GSMBT1015 is designed for use in driver stage of AF amplifier and general purpose amplification.

### 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	Tj	+150	°C
Storage Temperature	Tstg	-55~+150	°C
Collector to Base Voltage	VCBO	-50	V
Collector to Emitter Voltage	VCEO	-50	V
Emitter to Base Voltage	VEBO	-5	V
Collector Current	IC	-150	mA
Total Power Dissipation	PD	225	mW

### Characteristics at Ta = 25°C

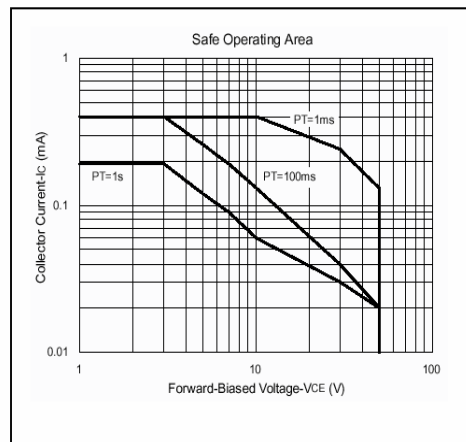
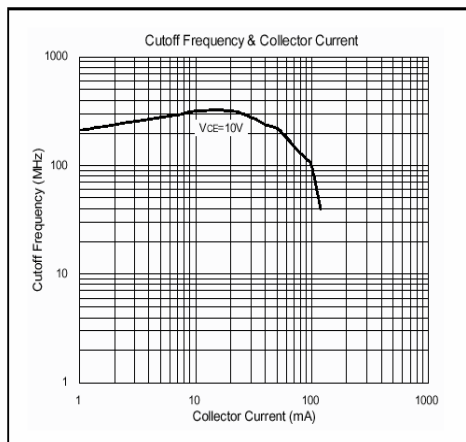
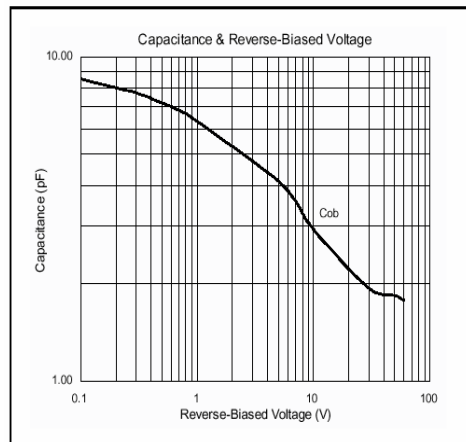
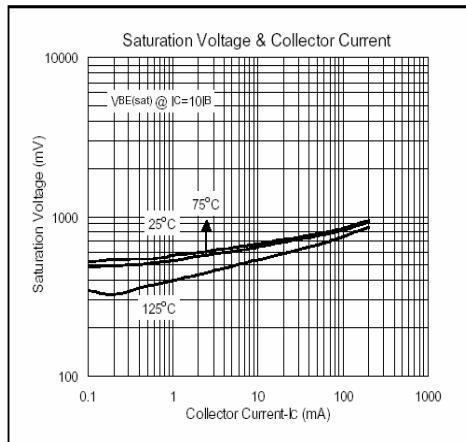
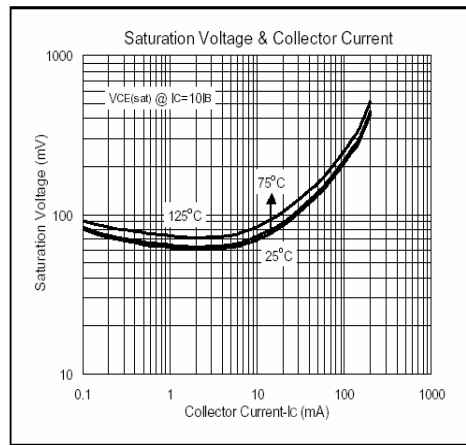
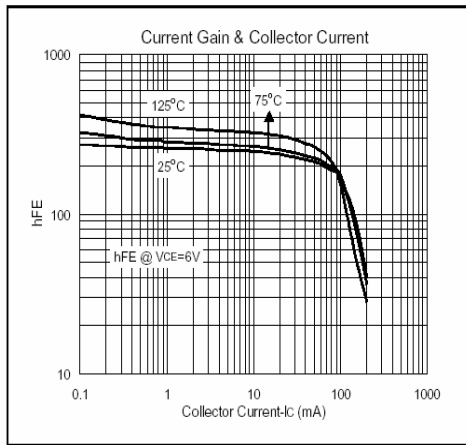
Symbol	Min.	Typ.	Max.	Unit	Test Conditions
BVCBO	-50	-	-	V	IC=-100uA
BVCEO	-50	-	-	V	IC=-1mA
BVEBO	-5	-	-	V	IE=-10uA
ICBO	-	-	-100	nA	VCB=-50V
IEBO	-	-	-100	nA	VEB=-5V
*VCE(sat)	-	-	-300	mV	IC=-100mA, IB=-10mA
*VBE(sat)	-	-	-1.1	V	IC=-100mA, IB=-10mA
*hFE1	120	-	700		VCE=-6V, IC=-2mA
*hFE2	25	-	-		VCE=-6V, IC=-150mA
fT	80	-	-	MHz	VCE=-10V, IC=-1mA, f=100MHz
Cob	-	-	7	pF	VCB=-10V, f=1MHz, IE=0

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

### Classification Of hFE1

Rank	A4Y	A4G	A4B
Range	120-140	200-400	350-700

## Characteristics Curve



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