

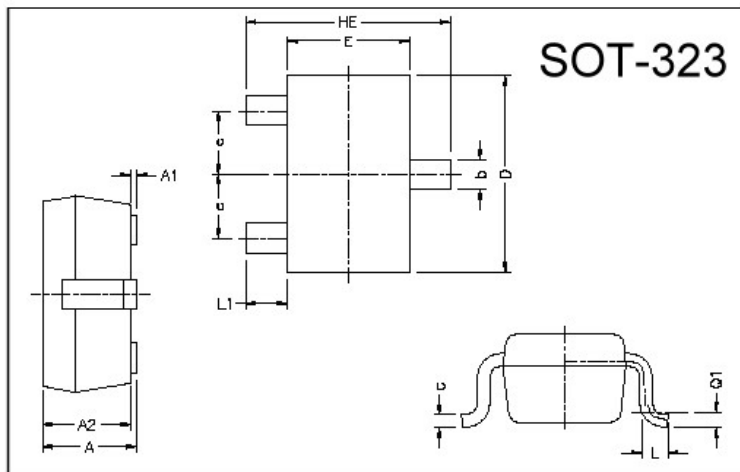
GSMBTA92

PNP EPITAXIAL PLANAR TRANSISTOR

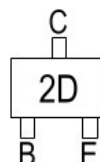
Description

The GSMBTA92 is designed for application as a video output to drive color CRT, or as a dialer circuit in electronics telephone.

Package Dimensions



Marking :



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

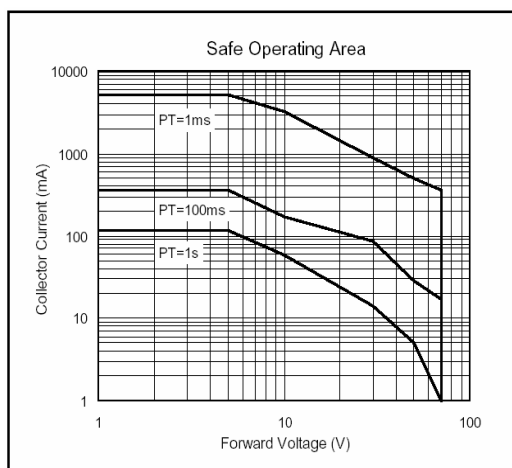
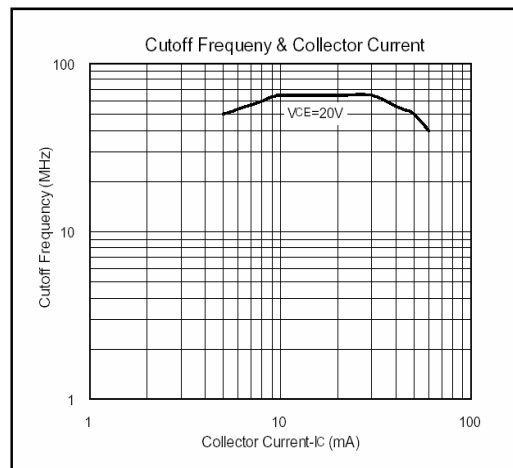
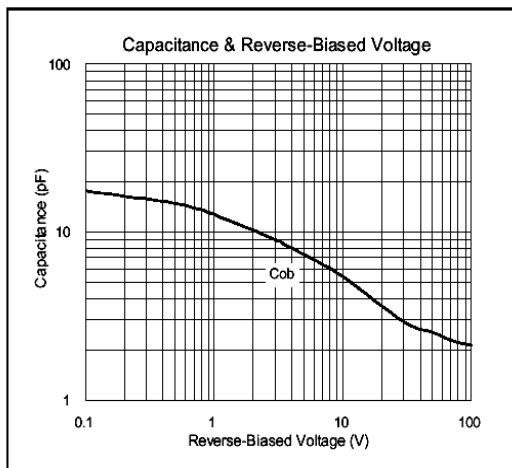
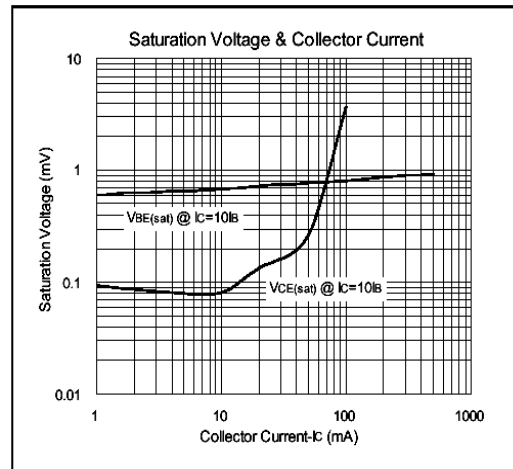
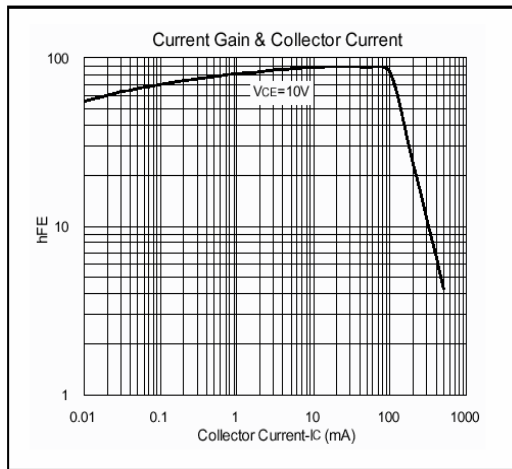
Parameter	Symbol	Ratings	Unit
Junction Temperature	Tj	+150	°C
Storage Temperature	Tstg	-55~+150	°C
Collector to Base Voltage	VCBO	-300	V
Collector to Emitter Voltage	VCEO	-300	V
Emitter to Base Voltage	VEBO	-5	V
Collector Current	Ic	-500	mA
Total Power Dissipation	Pd	225	mW

Electrical Characteristics (Ta = 25°C, unless otherwise noted)

Symbol	Min.	Typ.	Max.	Unit	Test Conditions
BV _{CB0}	-300	-	-	V	I _C =-100uA, I _E =0
BV _{CE0}	-300	-	-	V	I _C =-1mA, I _B =0
BV _{EB0}	-5	-	-	V	I _E =-10uA, I _C =0
I _{CB0}	-	-	-100	nA	V _{CB} =-200V, I _E =0
I _{EB0}	-	-	-100	nA	V _{EB} =-3V, I _C =0
*V _{CE(sat)}	-	-	-500	mV	I _C =-20mA, I _B =-2mA
*V _{BE(sat)}	-	-	-900	mV	I _C =-20mA, I _B =-2mA
*h _{FE1}	25	-	-		V _{CE} =-10V, I _C =-1mA
*h _{FE2}	40	-	-		V _{CE} =-10V, I _C =-10mA
*h _{FE3}	25	-	-		V _{CE} =-10V, I _C =-30mA
f _T	50	-	-	MHz	V _{CE} =-20V, I _C =-10mA, f=100MHz
C _{ob}	-	-	6	pF	V _{CB} =-20V, I _E =0, f=1MHz

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

Characteristics Curve



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