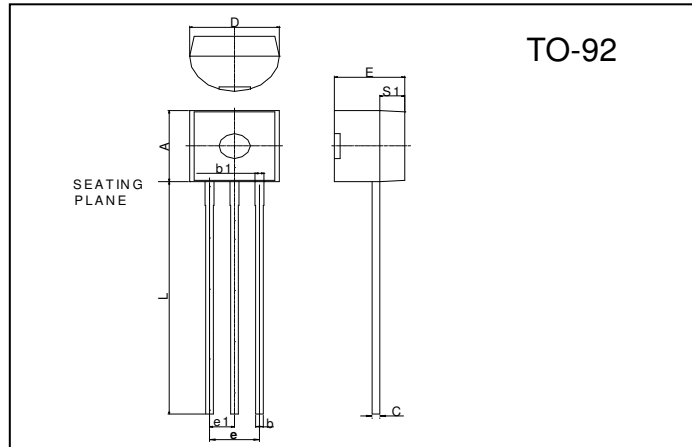
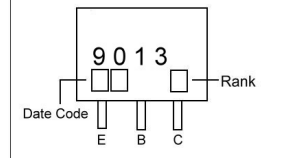


G9013**NPN EPITAXIAL TRANSISTOR****Description**

The G9013 is designed for use in 1W output amplifier of portable radios in class B push-pull operation.

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	VCBO	40	V
Collector to Emitter Voltage	VCEO	20	V
Emitter to Base Voltage	VEBO	5	V
Collector Current	I _C	500	mA
Total Power Dissipation	PD	625	mW

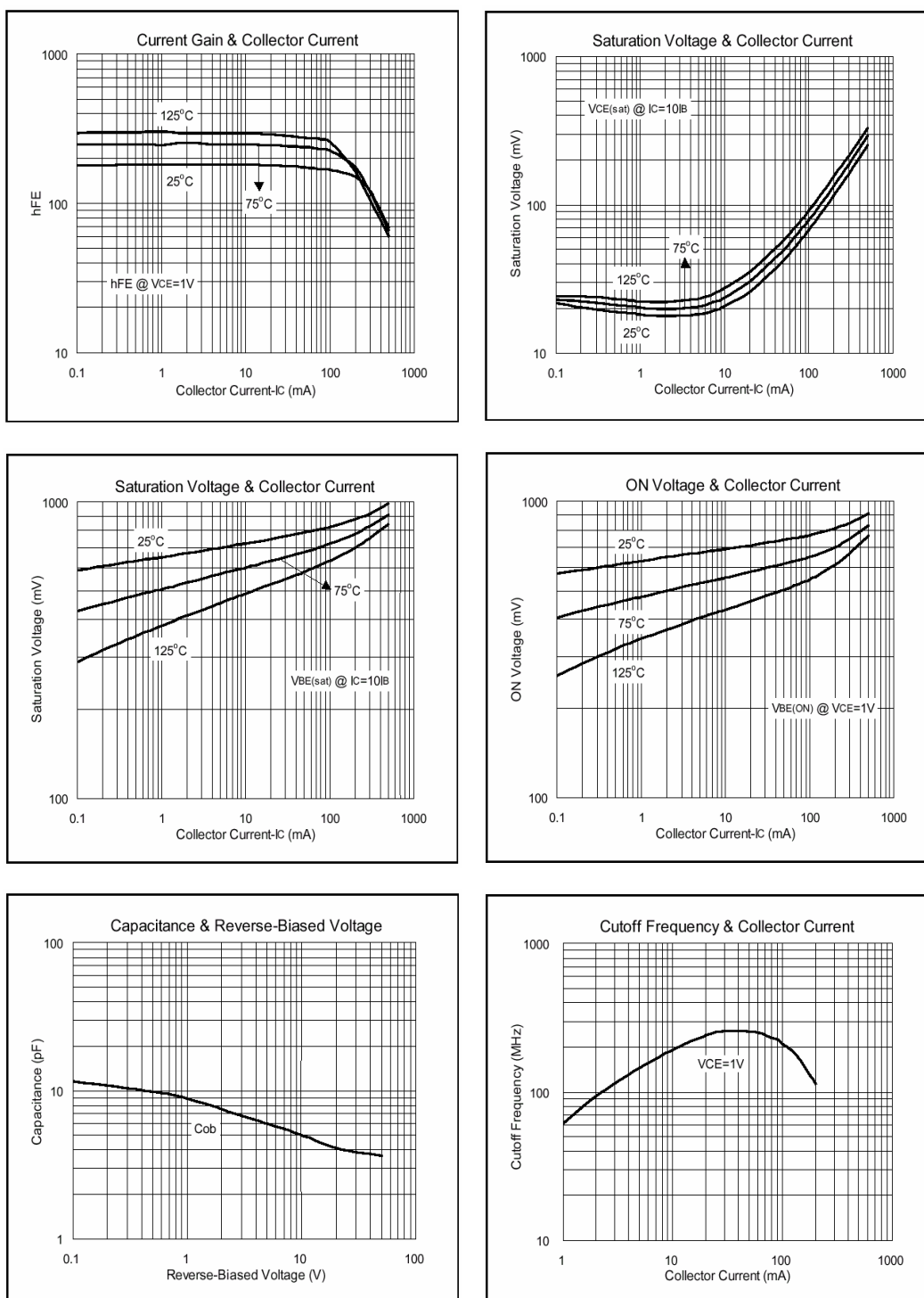
Characteristics at Ta = 25°C

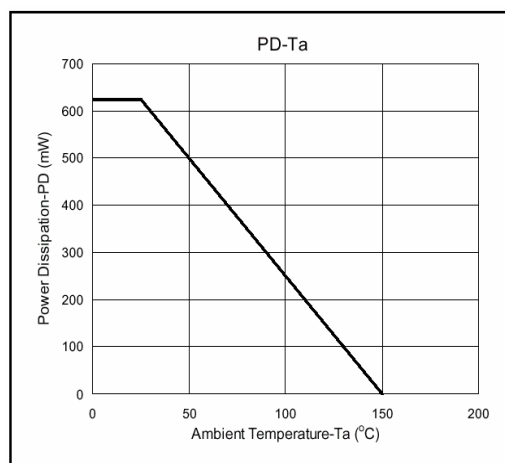
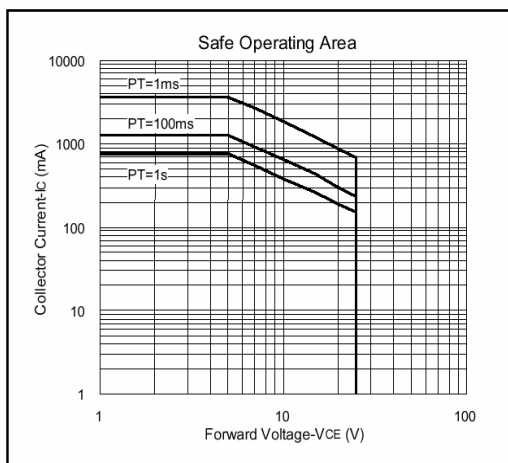
Symbol	Min.	Typ.	Max.	Unit	Test Conditions
BVCBO	40	-	-	V	I _C =100μA, I _E =0
BVCEO	20	-	-	V	I _C =1mA, I _B =0
BVEBO	5	-	-	V	I _E =100μA, I _C =0
ICBO	-	-	100	nA	V _{CB} =25V, I _E =0
IEBO	-	-	100	nA	V _{EB} =3V, I _C =0
VCE(sat)	-	-	0.6	V	I _C =500mA, I _B =50mA
VBE(sat)	-	-	1.2	V	I _C =500mA, I _B =50mA
VBE(on)	-	-	0.9	V	V _{CE} =1V, I _C =10mA
hFE1	112	180	300		V _{CE} =1V, I _C =50mA
hFE2	40	-	-		V _{CE} =1V, I _C =500mA
f _T	100	-	-	MHz	V _{CE} =1V, I _C =10mA, f=100MHz
Cob	-	-	8	pF	V _{CB} =10V, f=1MHz

Classification Of hFE1

Rank	G	H	L
hFE1	112 - 166	144 - 202	176 - 300

Characteristics Curve





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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