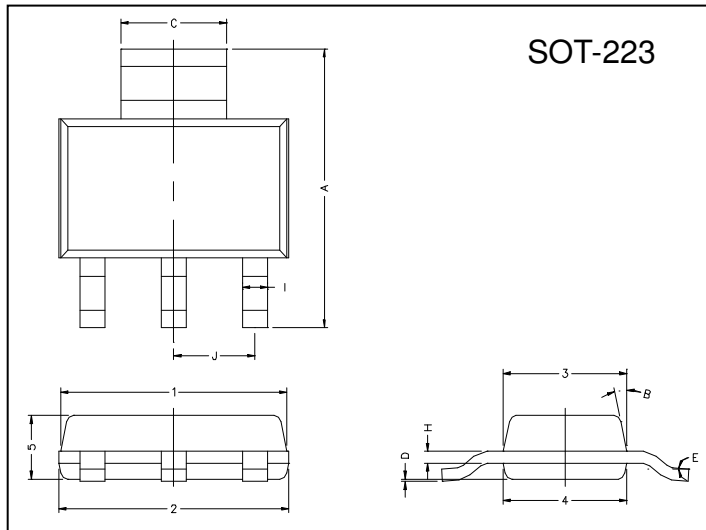
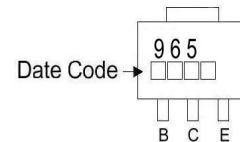


GL965**NPN EPITAXIAL PLANAR TRANSISTOR****Description**

The GL965 is designed for use as AF output amplifier and flash unit.

Package Dimensions**Marking :**

REF.	Millimeter		REF.	Millimeter	
	Min.	Max.		Min.	Max.
A	6.70	7.30	B	13° TYP.	
C	2.90	3.10	J	2.30 REF.	
D	0.02	0.10	1	6.30	6.70
E	0	10	2	6.30	6.70
I	0.60	0.80	3	3.30	3.70
H	0.25	0.35	4	3.30	3.70
			5	1.40	1.80

Absolute Maximum Ratings

Parameter	Symbol	Ratings	Unit
Junction Temperature	T _j	+150	°C
Storage Temperature	T _{stg}	-55 ~ +150	°C

Absolute Maximum Ratings at Ta = 25°C

Collector to Base Voltage	BVCBO	40	V
Collector to Emitter Voltage	BVCEO	20	V
Emitter to Base Voltage	BVEBO	7.0	V
Collector Current (Continuous)	I _C	5	A
Collector Current (Peak PT=10mS)	I _C	8	A
Total Power Dissipation at Ta = 25°C	PD	2	W

Characteristics at Ta = 25°C

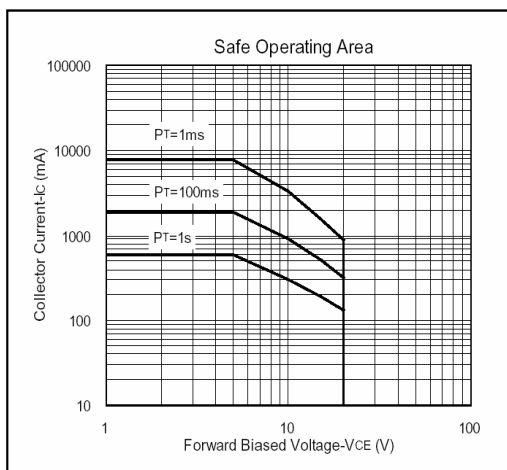
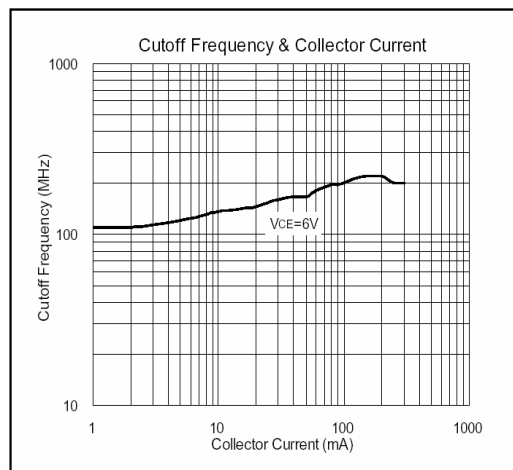
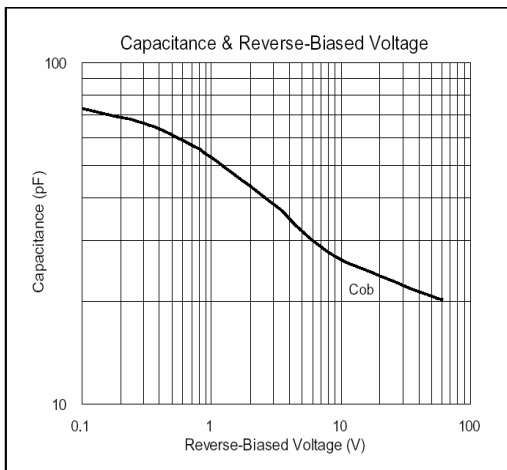
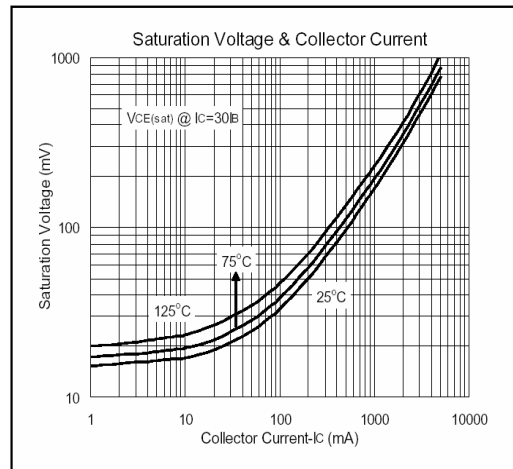
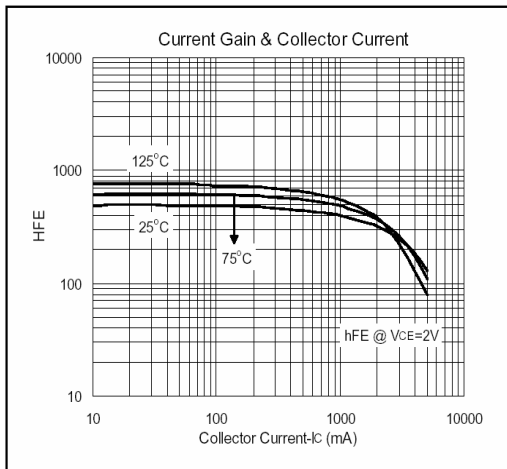
Symbol	Min.	Typ.	Max.	Unit	Test Conditions
BVCBO	40	-	-	V	I _C =100uA
BVCEO	20	-	-	V	I _C =1mA
BVEBO	7	-	-	V	I _E =10uA
ICBO	-	-	0.1	uA	V _{CB} =60V
IEBO	-	-	0.1	uA	V _{EB} =7V
*VCE(sat)	-	0.35	1	V	I _C =3A, I _B =0.1A
*hFE1	230	-	800		VCE=2V, I _C =0.5A
*hFE2	150	-	-		VCE=2V, I _C =2A
f _T	-	150	-	MHz	VCE=6V, I _E =50mA
Cob	-	-	50	pF	V _{CB} =20V, f=1MHz

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

Classification Of hFE1

Rank	Q	R	S
Range	230-380	340-600	560-800

Characteristics Curve



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