

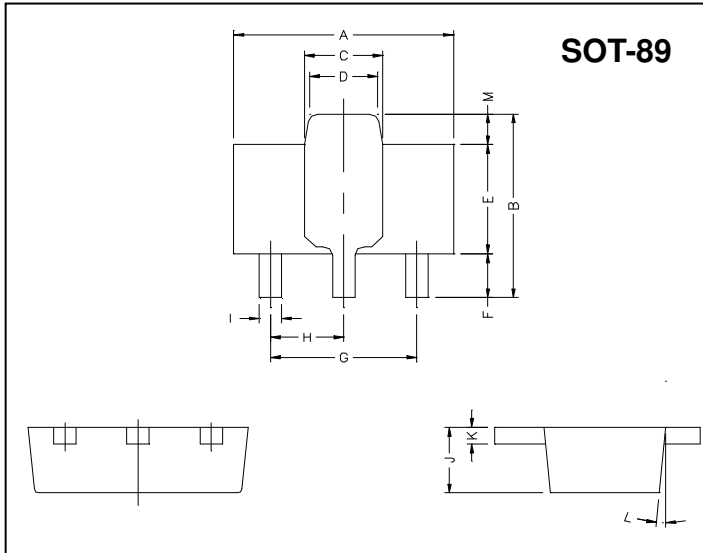
GM965

NPN EPITAXIAL PLANAR TRANSISTOR

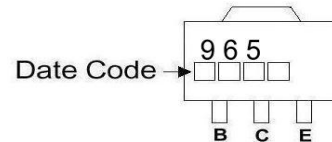
Description

The GM965 is designed for use as AF output amplifier and flash unit.

Package Dimensions



Marking :



REF.	Millimeter		REF.	Millimeter	
	Min.	Max.		Min.	Max.
A	4.4	4.6	G	3.00	REF.
B	4.05	4.25	H	1.50	REF.
C	1.50	1.70	I	0.40	0.52
D	1.30	1.50	J	1.40	1.60
E	2.40	2.60	K	0.35	0.41
F	0.89	1.20	L	5° TYP.	
			M	0.70 REF.	

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	1.2	W

Characteristics at Ta = 25°C

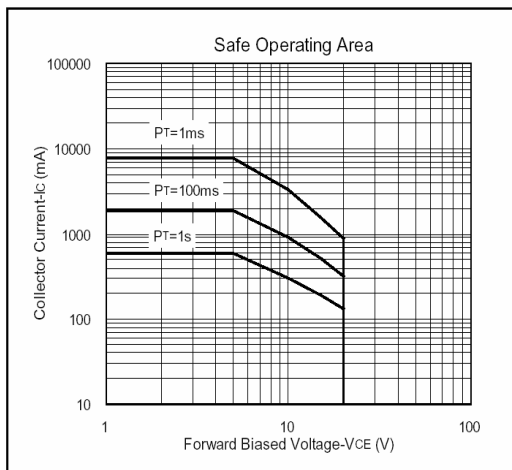
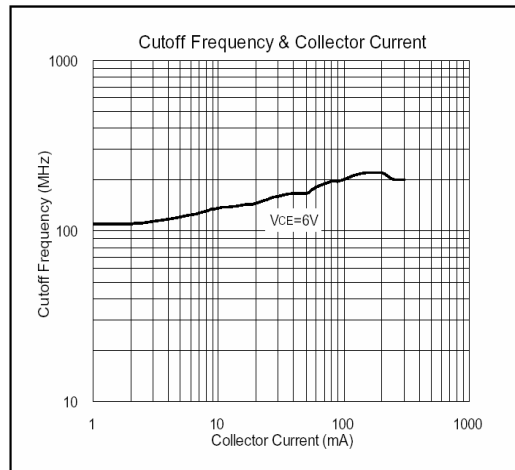
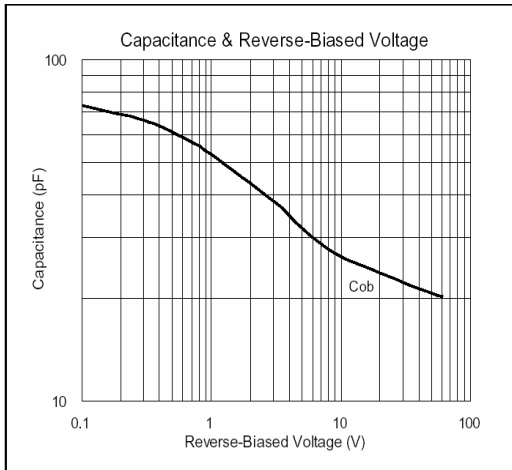
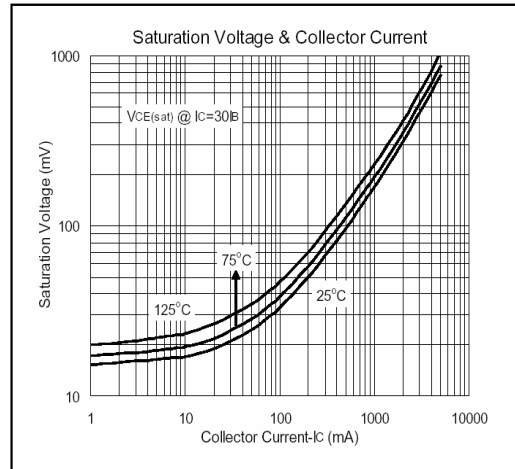
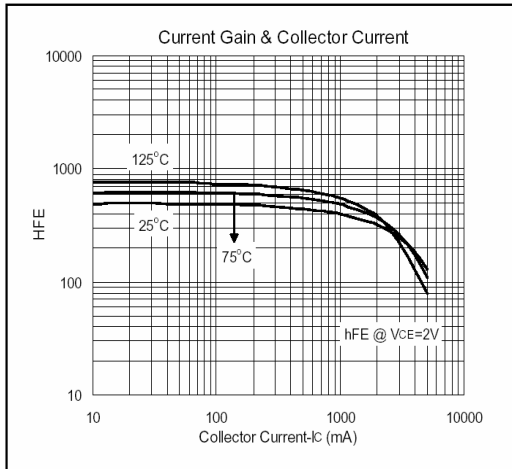
Symbol	Min.	Typ.	Max.	Unit	Test Conditions
BVCBO	40	-	-	V	I _C =100uA
BVCEO	20	-	-	V	I _C =1mA
BVEBO	7	-	-	V	I _E =10uA
I _{CBO}	-	-	0.1	uA	V _{CB} =60V
I _{EBO}	-	-	0.1	uA	V _{EB} =7V
*V _{CE(sat)}	-	0.35	1	V	I _C =3A, I _B =0.1A
*h _{FE1}	230	-	800		V _{CE} =2V, I _C =0.5A
*h _{FE2}	150	-	-		V _{CE} =2V, I _C =2A
f _T	-	150	-	MHz	V _{CE} =6V, I _E =50mA
C _{ob}	-	-	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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