

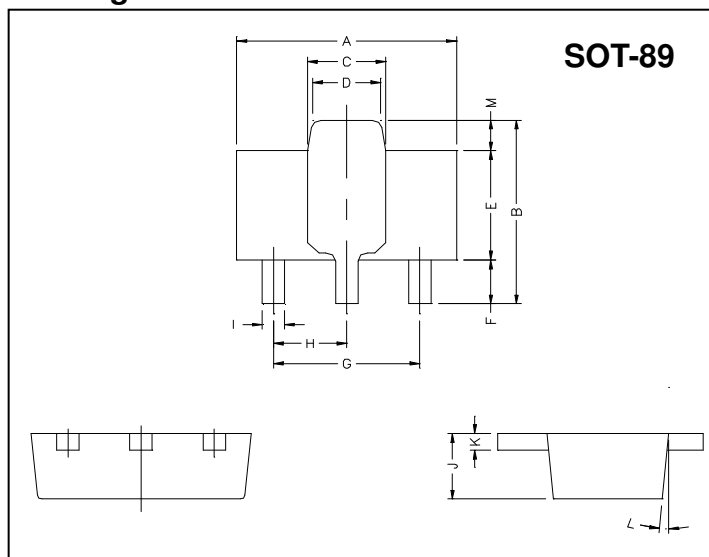
GMSD1664

NPN EPITAXIAL PLANAR TRANSISTOR

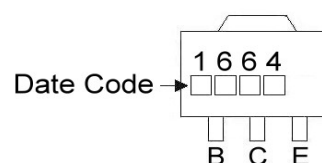
Description

The GMSD1664 is designed for general purpose amplifier applications.

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 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	V _{CB0}	40	V
Collector to Emitter Voltage	V _{CEO}	32	V
Emitter to Base Voltage	V _{EBO}	5	V
Collector Current at Ta=25°C	I _C	1	A
Total Power Dissipation at Ta=25°C	P _D	500	mW

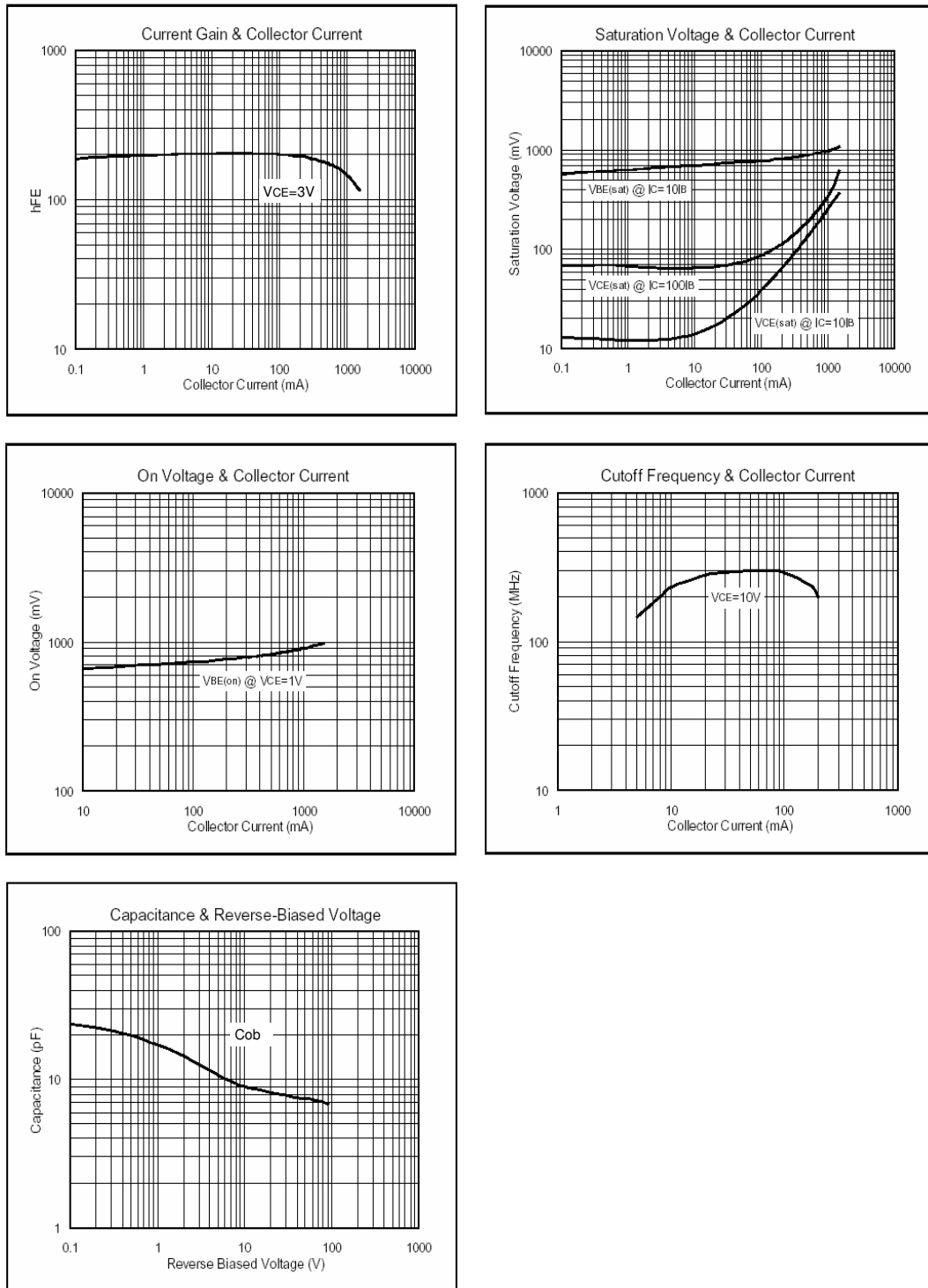
Characteristics at Ta = 25°C

Symbol	Min.	Typ.	Max.	Unit	Test Conditions
B _V C _B O	40	-	-	V	I _C =50μA
B _V C _E O	32	-	-	V	I _C =1mA
B _V E _B O	5	-	-	V	I _E =50μA
I _C B _O	-	-	500	nA	V _{CE} =20V
I _E B _O	-	-	500	nA	V _{EB} =4V
V _{CE} (sat)	-	0.15	0.4	V	I _C =500mA, I _B =50mA
h _{FE}	82	-	390		V _{CE} =3V, I _C =100mA
f _T	-	150	-	MHz	V _{CE} =5V, I _E =-50mA, f=100MHz
C _{ob}	-	9	-	pF	V _{CB} =10V, I _E =0mA, f=1MHz

Classification Of h_{FE}

Rank	P	Q	R
h _{FE}	82-180	120-270	180-390

Characteristics Curve



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