

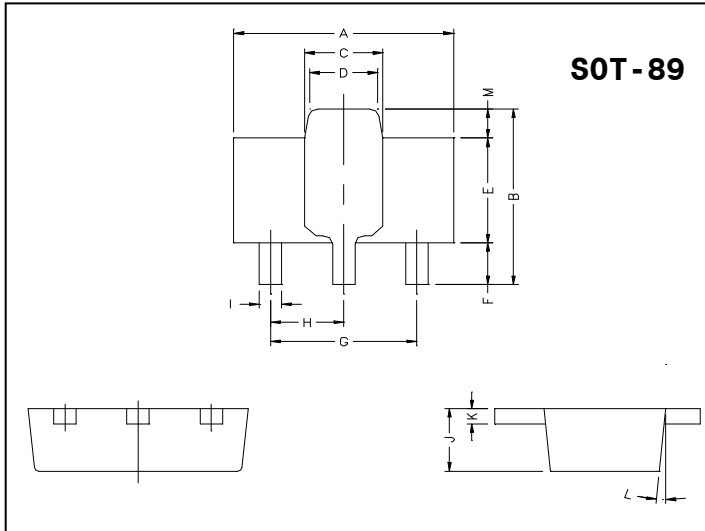
GM222A

NPN EPITAXIAL PLANAR TRANSISTOR

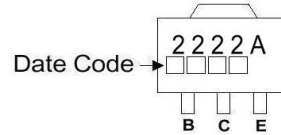
Description

The GM222A is designed for general purpose amplifier and high speed, medium-power switching 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.	

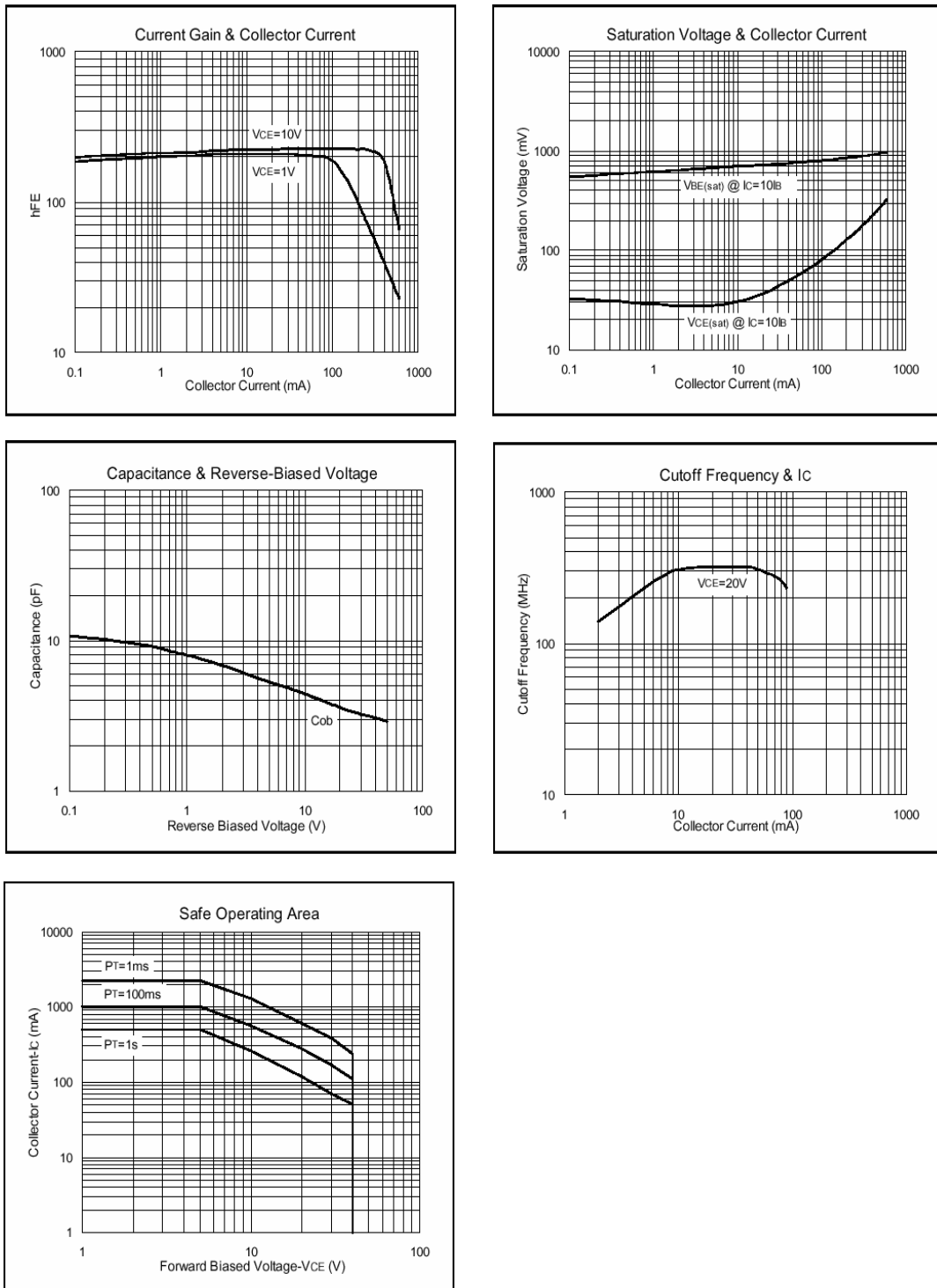
Absolute Maximum Ratings at Ta = 25°C

Parameter	Symbol	Ratings	Unit
Junction Temperature	Tj	+150	°C
Storage Temperature	Tstg	-55 ~ +150	°C
Collector to Base Voltage	VCBO	75	V
Collector to Emitter Voltage	VCEO	40	V
Emitter to Base Voltage	VEBO	6.0	V
Collector Current	IC	600	mA
Total Power Dissipation	PD	1.2	W

Characteristics at Ta = 25°C

Symbol	Min.	Typ.	Max.	Unit	Test Conditions
BVCBO	75	-	-	V	IC=10uA
BVCEO	40	-	-	V	IC=10mA
BVEBO	6	-	-	V	IE=10uA
ICBO	-	-	10	nA	VCB=60V
ICEX	-	-	10	nA	VCB=60V, VEB(off)=3V
IEBO	-	-	50	nA	VEB=3V
VCE(sat)1	-	-	300	mV	IC=150mA, IB=15mA
VCE(sat)2	-	-	1	V	IC=500mA, IB=50mA
VBE(sat)1	-	-	1.2	V	IC=150mA, IB=15mA
VBE(sat)2	-	-	2	V	IC=500mA, IB=50mA
hFE1	35	-	-		VCE=10V, IC=100uA
hFE2	50	-	-		VCE=10V, IC=1mA
hFE3	75	-	-		VCE=10V, IC=10mA
hFE4	100	-	300		VCE=10V, IC=150mA
hFE5	40	-	-		VCE=10V, IC=500mA
hFE6	50	-	-		VCE=1V, IC=150mA
fT	300	-	-	MHz	VCE=20V, IC=20mA, f=100MHz

Characteristics Curve



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