GM195

PNP SILICON PLANAR MEDIUM POWER TRANSISTOR

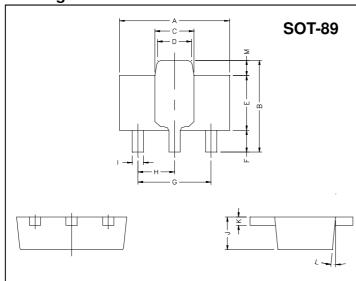
Description

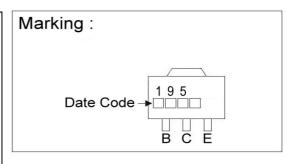
The GM195 is designed for medium power amplifier applications.

Features

- -60 Volt V_{CEO}
- 1 Amp continuous current
- Complementary to GM194

Package Dimensions





REF.	Millimeter		REF.	Millimeter	
	Min.	Max.	I L L I .	Min.	Max.
Α	4.4	4.6	G	3.00	REF.
В	4.05	4.25	Н	1.50 REF.	
С	1.50	1.70	-	0.40	0.52
D	1.30	1.50	J	1.40	1.60
Е	2.40	2.60	K	0.35	0.41
F	0.89	1.20	L	5 q TYP.	
			М	0.70 F	RFF.

Absolute Maximum Ratings at Ta = 25

Parameter	Symbol	Ratings	Unit
Junction Temperature	Tj	+150	
Storage Temperature	Tstg	-55~+150	
Collector to Base Voltage	Vсво	-80	V
Collector to Emitter Voltage	VCEO	-60	V
Emitter to Base Voltage	VEBO	-5	V
Collector Current (DC)	Ic	-1	A
Collector Current (Pulse)	Ic	-2	A
Base Current	lв	-200	mA
Total Power Dissipation	Po	1	W

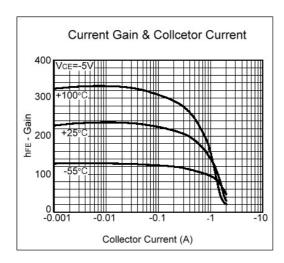
Electrical Characteristics (Ta = 25:, unless otherwise stated)

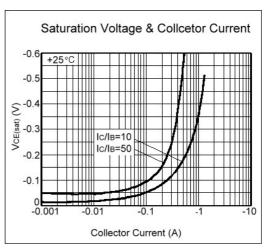
Symbol	Min.	Тур.	Max.	Unit	Test Conditions
ВУсво	-80	-	-	V	IC=-100uA, IE=0
*BVceo	-60	-	-	V	Ic=-10mA, IB=0
BVEBO	-5	-	-	V	IE=-100uA,IC=0
Ісво	-	-	-100	nA	VCB=-60V, IE=0
ICES	-	-	-100	nA	VCES=-60V
I EBO	-	-	-100	nA	VEB=-4V, IC=0
*VCE(sat)1	-	-	-0.3	V	Ic=-500mA, IB=-50mA
*VCE(sat)2	-	-	-0.6	V	IC=-1A, IB=-100mA
*VBE(sat)	-	-	-1.2	V	Ic=-1A, IB=-100mA
*VBE(on)	-	-	-1.0	V	VCE=-5V, IC=-1A
*hFE1	100	-			VCE=-5V, IC=-1mA
*hFE2	100	-	300		Vce=-5V, Ic=-500mA
*hFE3	80	-			VCE=-5V, IC=-1A
*hFE4	15	-			VCE=-5V, IC=-2A
fT	150	-	-	MHz	VCE=-10V, IC=-50mA, f=100MHz
Cob	-	-	10	pF	VCB=-10V, IE=0, f=1MHz

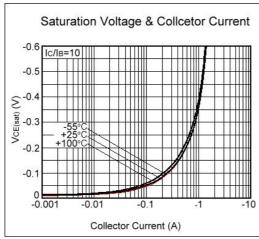
^{*}Measured under pulse condition. Pulse width=300µs, Duty Cycle 2%

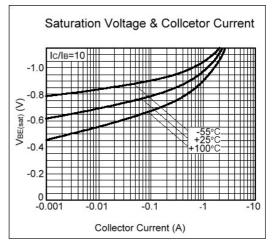
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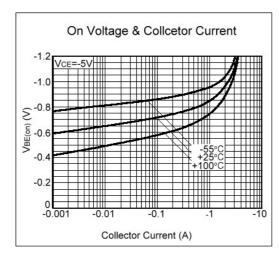
Characteristics Curve

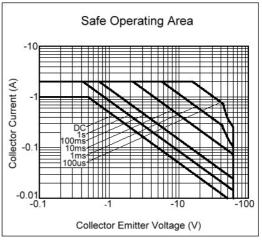












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