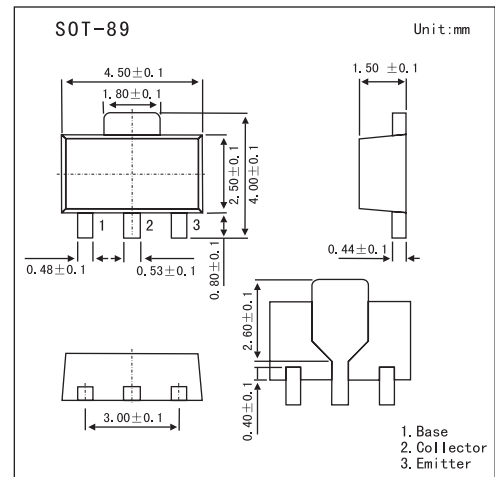


Plunger Drive Applications

2SA1369

■ Features

- High Collector Current ($I_{CM} = -3A$, $I_C = -1.5A$)
- High Collector Dissipation $P_C = 500mW$
- Small Package For Mounting
- Complementary to 2SC3439

■ Absolute Maximum Ratings $T_a = 25^\circ C$

Parameter	Symbol	Rating	Unit
Collector-Base Voltage	V_{CB0}	-30	V
Collector-Emitter Voltage	V_{CEO}	-20	V
Emitter-Base Voltage	V_{EBO}	-6	V
Collector Current	I_C	-1.5	A
Peak Collector Current	I_{CM}	-3	A
Collector Power Dissipation	P_C	500	mW
Junction temperature	T_j	+150	$^\circ C$
Storage temperature Range	T_{stg}	-55 to +150	$^\circ C$

■ Electrical Characteristics $T_a = 25^\circ C$

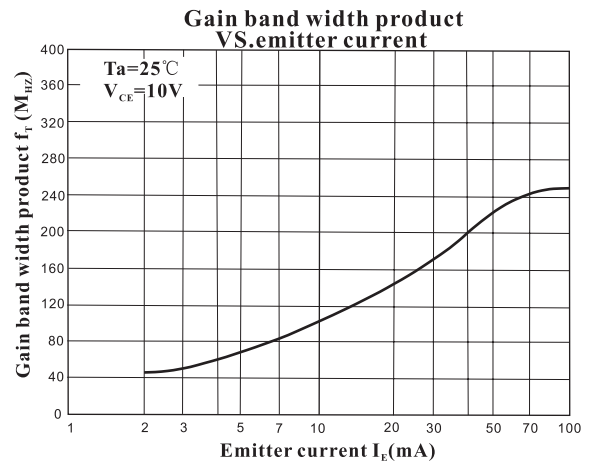
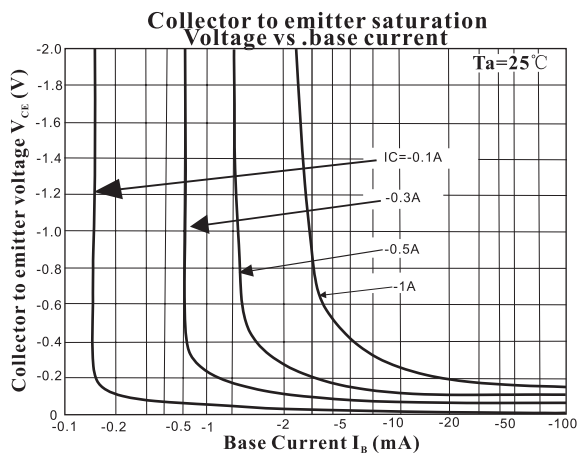
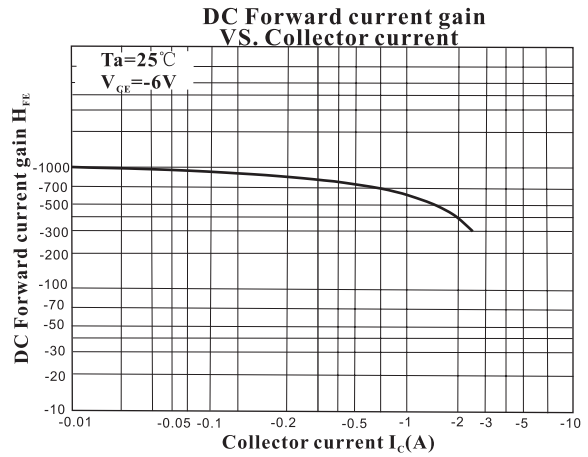
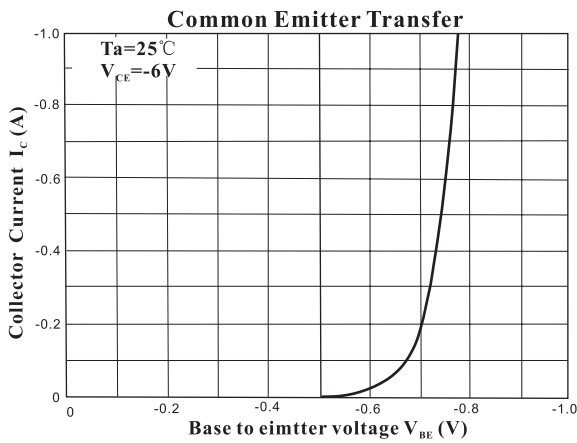
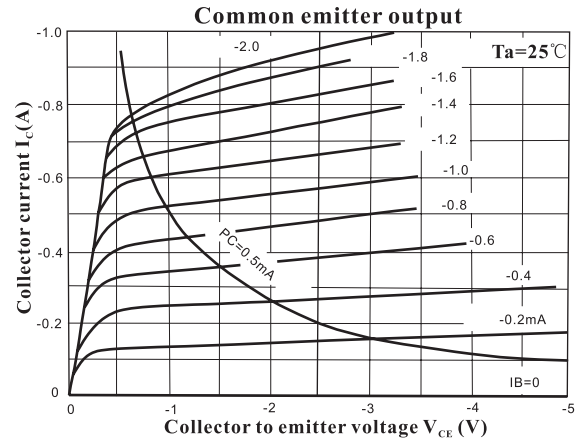
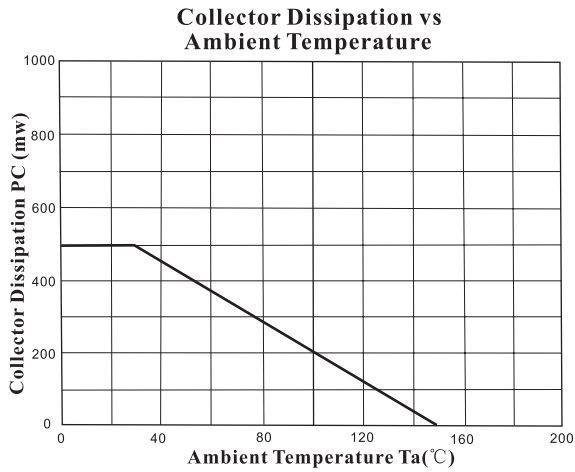
Parameter	Symbol	Testconditions	Min	Typ	Max	Unit
Collector Cut-off Current	I_{CBO}	$V_{CB} = -20V$, $I_E = 0$			-0.1	μA
Emitter Cut-off Current	I_{EBO}	$V_{EB} = -2V$, $I_C = 0$			-0.1	μA
Collector-Emitter Breakdown Voltage	$V_{(BR)CEO}$	$I_C = -1mA$, $R_{BE} = \infty$	-20			V
Collector-Base Breakdown Voltage	$V_{(BR)CBO}$	$I_C = -10\mu A$, $I_E = 0$	-30			V
Emitter-Base Breakdown Voltage	$V_{(BR)EBO}$	$I_E = -10\mu A$, $I_C = 0$	-6			V
DC Current Gain	h_{FE}	$V_{CE} = -6V$, $I_C = -500mA$	400		1200	
Collector-Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C = -1A$, $I_B = -20mA$		-0.25	-0.5	V
Transition Frequency	f_T	$V_{CE} = -10V$, $I_E = 10mA$		90		MHz
Collector Output Capacitance	C_{ob}	$V_{CB} = -10V$, $I_E = 0$, $f = 1MHz$		37		pF

■ h_{FE} Classification

Marking	G	
	G	H
h_{FE}	400 ~ 800	600 ~ 1200

2SA1369

Electrical Characteristics Curves



2SA1369

