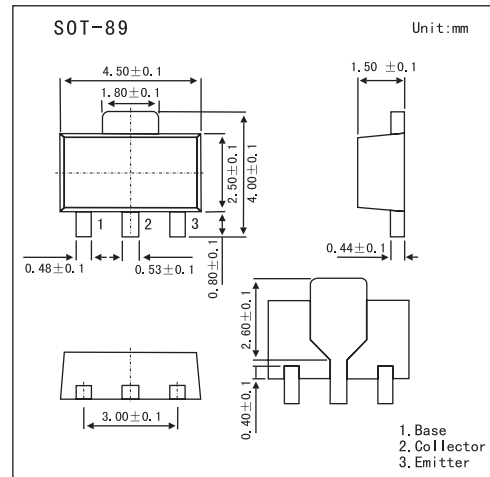


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Features

- High hFE : hFE = 150 to 800
- High Collector Current (Ic = -2A)
- High Collector Dissipation Pc = 500mW
- Small Package For Mounting
- Complementary to 2SC3443



Absolute Maximum Ratings Ta = 25°C

Parameter	Symbol	Rating	Unit
Collector-Base Voltage	V _{CB0}	-20	V
Collector-Emitter Voltage	V _{CEO}	-16	V
Emitter-Base Voltage	V _{EB0}	-6	V
Collector Current	I _c	-2	A
Peak Collector Current	I _{CM}	-3	A
Collector Power Dissipation	P _c	500	mW
Jumction temperature	T _j	150	°C
Storage temperature Range	T _{stg}	-55 to +150	°C

Electrical Characteristics Ta = 25°C

Parameter	Symbol	Testconditons	Min	Typ	Max	Unit
Collector Cut-off Current	I _{CBO}	V _{CB} = -16V , I _E = 0			-0.2	μA
Emitter Cut-off Current	I _{EBO}	V _{EB} = -4V , I _C = 0			-0.2	μA
Collector-Emitter Breakdown Voltage	V _{(BR)CEO}	I _C = -2mA , R _{BE} = ∞	-16			V
Collector-Base Breakdown Voltage	V _{(BR)CBO}	I _C = -10μA , I _E = 0	-20			V
Emitter-Base Breakdown Voltage	V _{(BR)EBO}	I _E = -10μA , I _C = 0	-6			V
DC Current Gain	hFE	V _{CE} = -4V , I _C = 100mA	150		800	
Collector-Emitter Saturation Voltage	V _{CE(sat)}	I _C = -1A , I _B = -50mA		-0.17	-0.3	V
Transition Frequency	f _T	V _{CE} = -2V , I _E = 10mA		80		MHz
Collector Output Capacitance	C _{ob}	V _{CB} = -10V , I _E = 0 , f = 1MHz		42		pF

hFE Classification

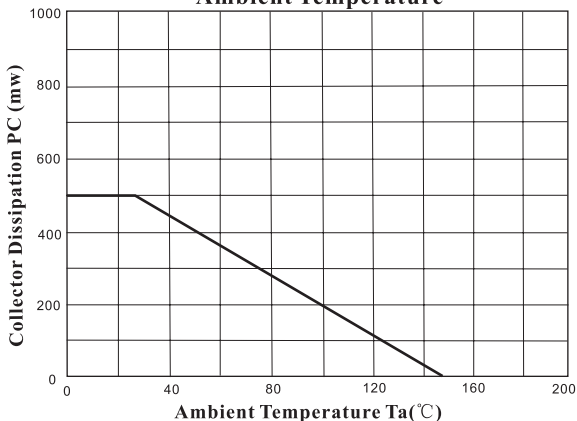
Marking	A		
	E	F	G
hFE	150 ~ 300	250 ~ 500	400 ~ 800



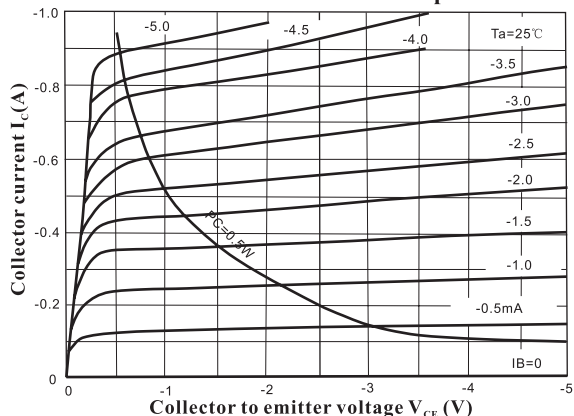
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■ Electrical Characteristics Curves

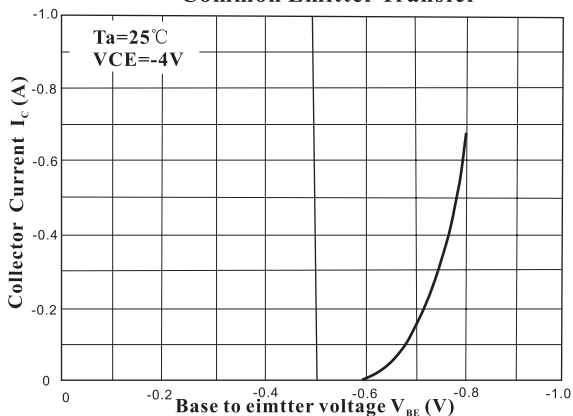
Collector Dissipation vs Ambient Temperature



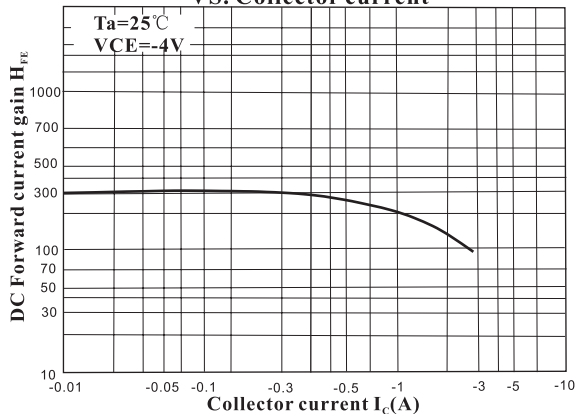
Common emitter output



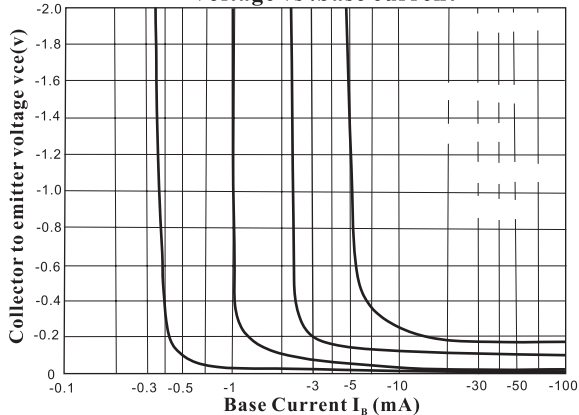
Common Emitter Transfer



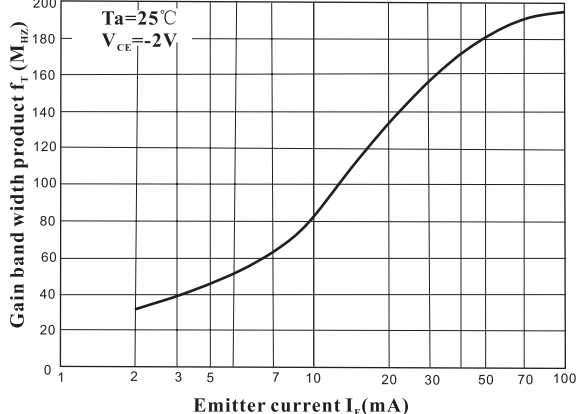
DC Forward current gain VS. Collector current



Collector to emitter saturation Voltage vs. base current



Gain band width product VS. emitter current





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