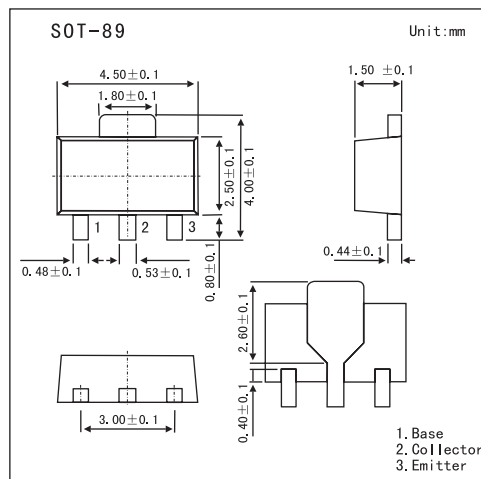


2SC3618

■ Features

- World standard miniature package.



■ Absolute Maximum Ratings Ta = 25°C

Parameter	Symbol	Rating	Unit
Collector-base voltage	V _{CB0}	25	V
Collector-emitter voltage	V _{CEO}	25	V
Emitter-base voltage	V _{EBO}	15	V
Collector current	I _C	0.7	A
Collector current (Pulse)*	I _{CP}	1.0	A
Total power dissipation	P _T	2.0	W
Junction temperature	T _J	150	°C
Storage temperature	T _{stg}	-55 to +150	°C

* PW ≤ 10ms, duty cycle ≤ 50%.

■ Electrical Characteristics Ta = 25°C

Parameter	Symbol	Test conditions	Min	Typ	Max	Unit
Collector cutoff current	I _{CBO}	V _{CB} = 25V, I _E = 0			100	nA
Emitter cutoff current	I _{EBO}	V _{EB} = 10V, I _C = 0			100	nA
DC current gain *	h _{FE}	V _{CE} = 2.0V, I _C = 300mA	800		3200	
Collector-emitter saturation voltage *	V _{CE(sat)}	I _C = 300mA, I _B = 3.0mA		0.16	0.3	V
Base-emitter saturation voltage *	V _{BE(sat)}	I _C = 300mA, I _B = 3.0mA		0.75	1.2	V
Gain bandwidth product	f _T	V _{CE} = 5.0V, I _E = -300mA	150	250		MHz
Output capacitance	C _{ob}	V _{CB} = 10V, I _E = 0, f = 1.0MHz		10		pF

*. PW ≤ 350μs, duty cycle ≤ 2%

■ hFE Classification

Marking	UM	UL	UK
hFE	800~1600	1200~2400	2000~3200