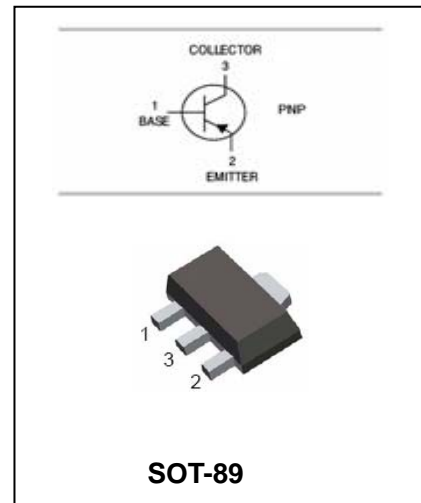


Power Transistor(-80V,-1A)

2SB1260

FEATURES

- High breakdown voltage and high current.
 $BV_{CEO}=-80V, I_C=-1A$
- Good h_{FE} Linearity.
- Low $V_{CE(sat)}$.
- Complements the 2SD1898.



APPLICATIONS

- Epitaxial planar type PNP silicon transistor

ORDERING INFORMATION

Type No.	Marking	Package Code
2SB1206	ZL	SOT-89

MAXIMUM RATING @ $T_a=25^{\circ}C$ unless otherwise specified

Symbol	Parameter	Value	Unit
V_{CBO}	Collector-Base Voltage	-80	V
V_{CEO}	Collector-Emitter Voltage	-80	V
V_{EBO}	Emitter-Base Voltage	-5	V
I_C	Collector Current –DC –Pulse	-1 -2	mA
P_D	Total Device Dissipation	500	mW
T_j, T_{stg}	Junction and Storage Temperature	-55 to+150	$^{\circ}C$

Power Transistor(-80V,-1A)

2SB1260

ELECTRICAL CHARACTERISTICS @ Ta=25°C unless otherwise specified

Parameter	Symbol	Test conditions	MIN	MAX	UNIT
Collector-base breakdown voltage	$V_{(BR)CBO}$	$I_C=-50\mu A$ $I_E=0$	-80		V
Collector-emitter breakdown voltage	$V_{(BR)CEO}$	$I_C=-1mA$ $I_B=0$	-80		V
Emitter-base breakdown voltage	$V_{(BR)EBO}$	$I_E=-50\mu A$ $I_C=0$	-5		V
Collector cut-off current	I_{CBO}	$V_{CB}=-60V$ $I_E=0$		-1	μA
Emitter cut-off current	I_{EBO}	$V_{EB}=-4V$, $I_C=0$		-1	μA
DC current gain	h_{FE}	$V_{CE}=-3V$ $I_C=-100\mu A$	82	390	
Collector-emitter saturation voltage	$V_{CE(sat)}$	$I_C=-500mA$ $I_B=-50mA$		-0.4	V
Transition frequency	f_T	$V_{CE}=-5V$, $I_C=-50mA$, $f=30MHz$		100	MHz
Output Capacitance	C_{obo}	$V_{CB}=-10V$ $f=1.0MHz$ $I_E=0$	-	25	pF

TYPICAL CHARACTERISTICS @ Ta=25°C unless otherwise specified

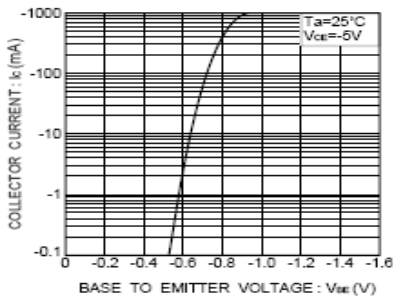


Fig. 1 Grounded emitter propagation characteristics

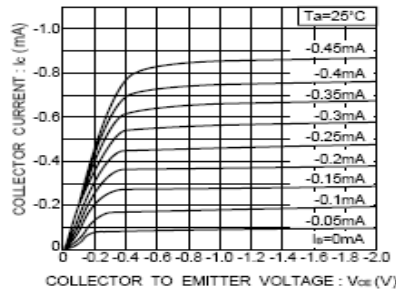


Fig. 2 Grounded emitter output characteristics

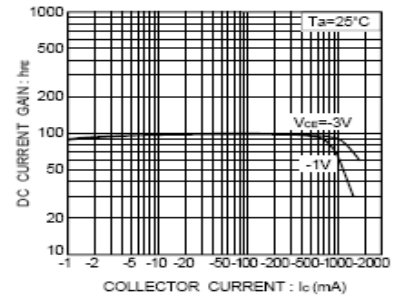


Fig. 3 DC current gain vs. collector current

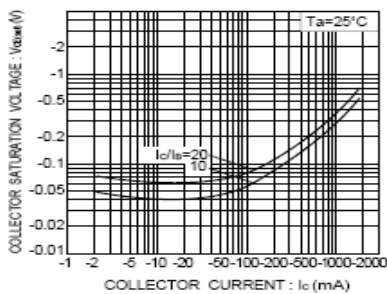


Fig. 4 Collector-emitter saturation voltage vs. collector current

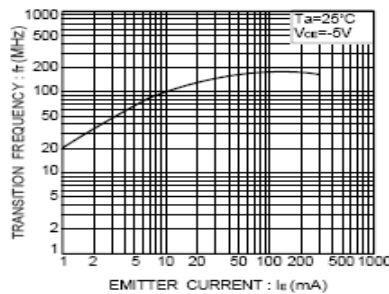


Fig. 5 Gain bandwidth product vs. emitter current

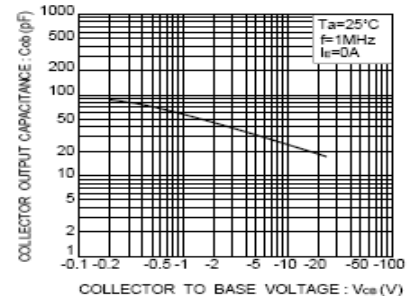


Fig. 6 Collector output capacitance vs. collector-base voltage

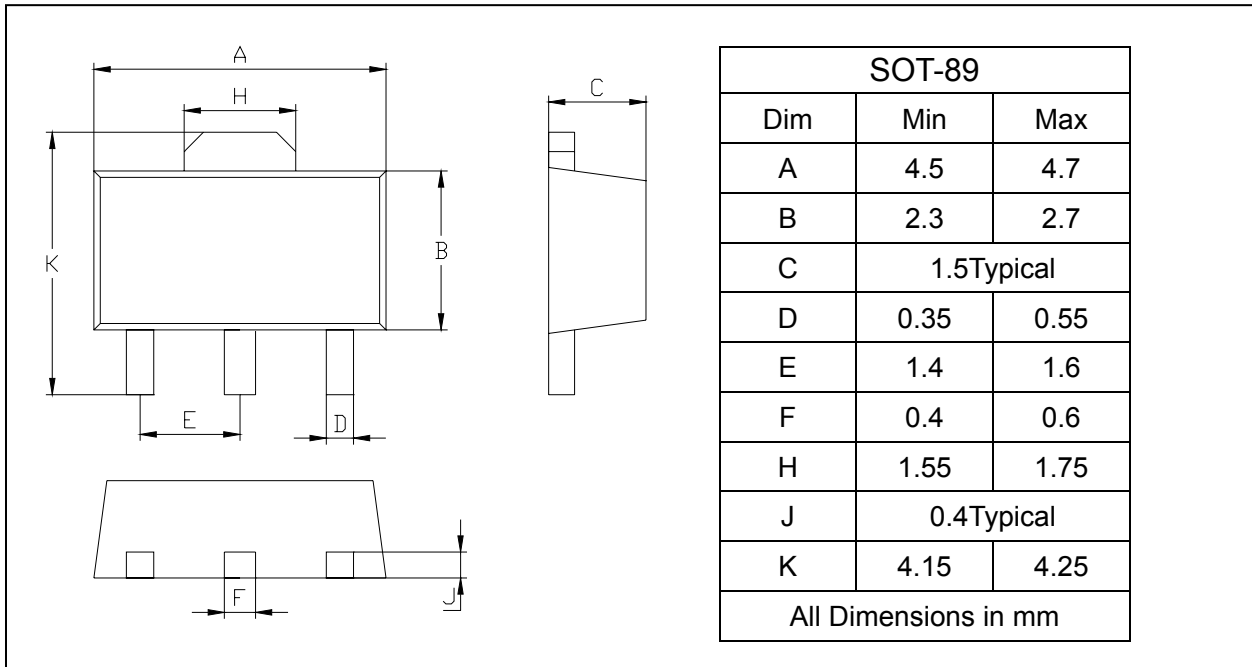
Power Transistor(-80V,-1A)

2SB1260

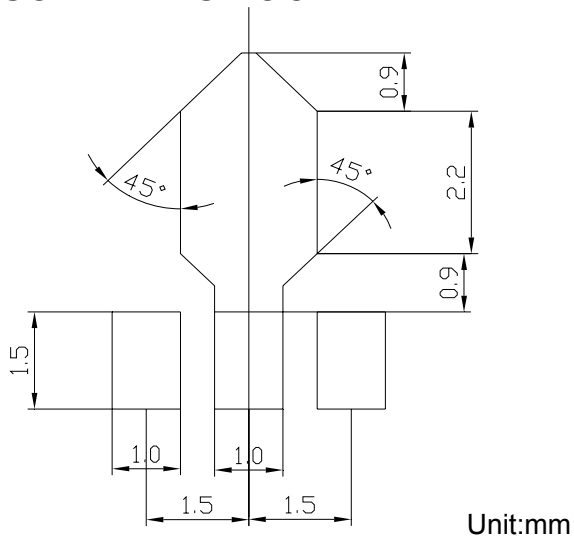
PACKAGE OUTLINE

Plastic surface mounted package

SOT-89



SOLDERING FOOTPRINT



PACKAGE INFORMATION

Device	Package	Shipping
2SB1260	SOT-89	1000/Tape&Reel

www.s-manuals.com