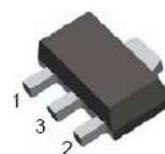
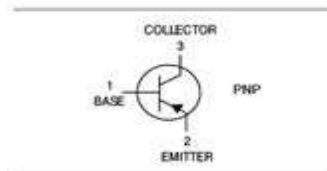


Power Transistor(-80V,-1A)

FEATURES

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



SOT-89

APPLICATIONS

- Epitaxial planar type PNP silicon transistor

ORDERING INFORMATION

Type No.	Marking	Package Code
2SB1260	ZL	SOT-89

MAXIMUM RATING @ Ta=25°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	A
P_c	Collector power Dissipation	0.5 2 * ₁	W
T_j	Junction Temperature	150	°C
T_{stg}	Storage Temperature	-55 to +150	°C

*1: When mountef on a 40*40*0.7mm ceramic board.

ELECTRICAL CHARACTERISTICS @ Ta=25°C unless otherwise specified

Parameter	Symbol	Test conditions	MIN	TYP	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}	$V_{CE} = -3V$ $I_C = -0.1A$	120		390	
Collector-emitter saturation voltage	$V_{CE(sat)}$	$I_C = -500mA$ $I_B = -50mA$			-0.4	V
Output Capacitance	C_{obo}	$V_{CB} = -10V$ $f = 1.0MHz$ $I_E = 0$	-	20		pF

CLASSIFICATION H_{FE}

Rank	Q	R
Range	120-270	180-390

Typical Characteristics

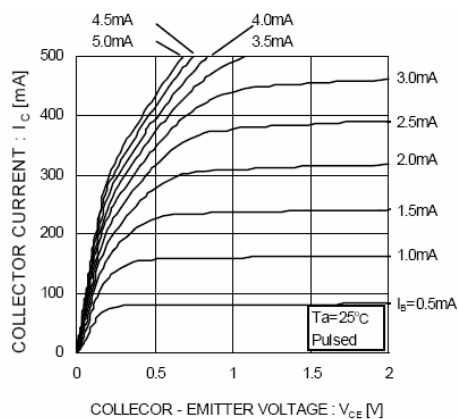


Fig.1 Ground Emitter Output Characteristics

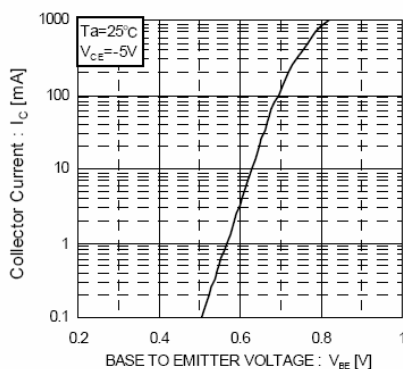


Fig.2 Grounded Emitter Propagation Characteristics

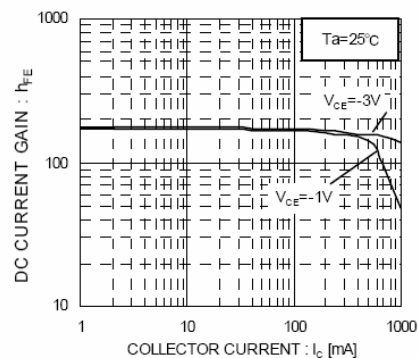


Fig.3 DC Current Gain vs Collector Current

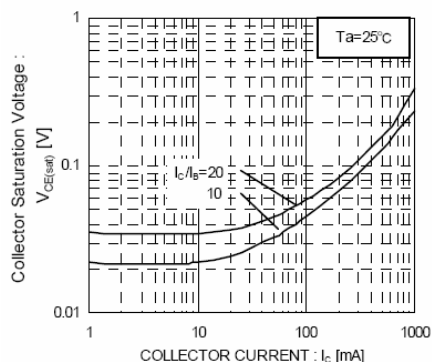


Fig.4 Collector-Emitter Saturation Voltage vs Collector Current

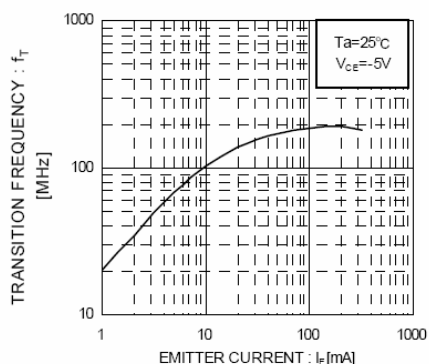


Fig.5 Transition Frequency vs Emitter Current

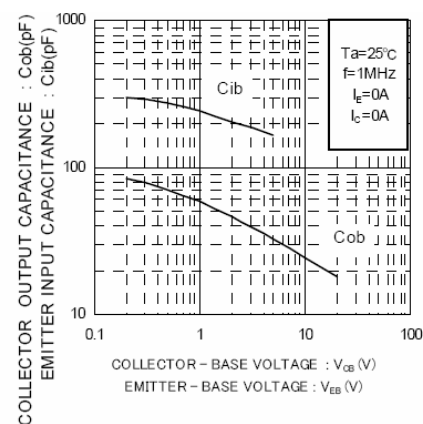
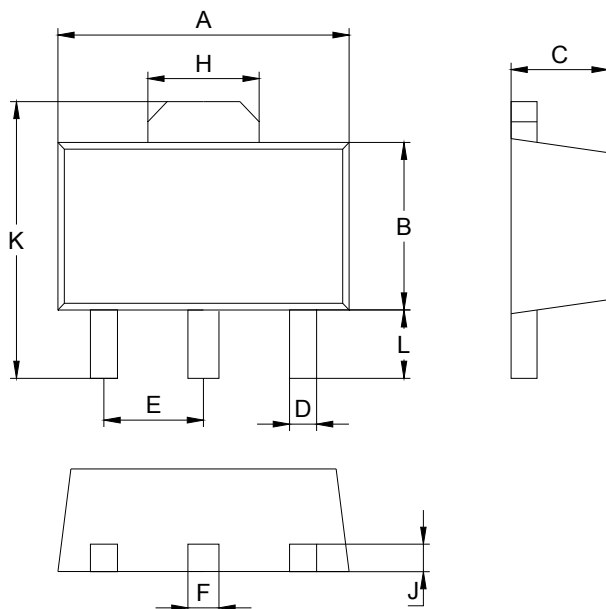


Fig.6 Emitter Input Capacitance vs. Emitter-Base Voltage
Collector Output Capacitance vs. Collector-Base

PACKAGE OUTLINE

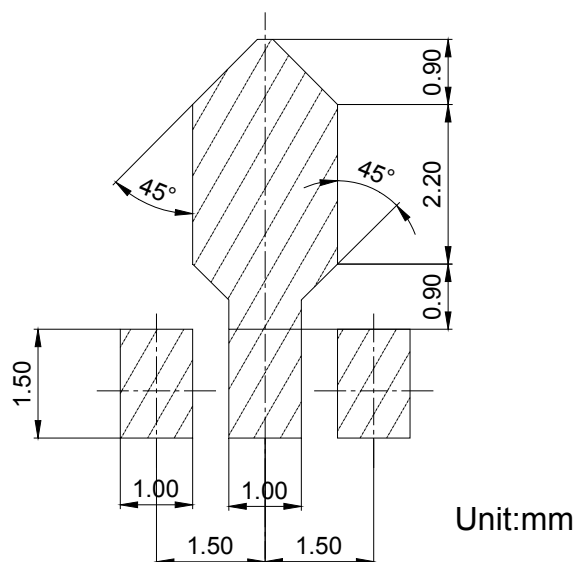
Plastic surface mounted package

SOT-89



SOT-89		
Dim	Min	Max
A	4.30	4.70
B	2.25	2.65
C	1.50 Typical	
D	0.40 Typical	
E	1.40	1.60
F	0.48 Typical	
H	1.60	1.80
J	0.40 Typical	
L	0.90	1.10
K	3.95	4.35
All Dimensions in mm		

SOLDERING FOOTPRINT



PACKAGE INFORMATION

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