



## SOT-89 Plastic-Encapsulated Transistors

### 2SB1260 TRANSISTOR (PNP)

#### FEATURES

Power dissipation

$$P_{CM}: 0.5 \text{ W (Tamb=25°C)}$$

Collector current

$$I_{CM}: -1 \text{ A}$$

Collector-base voltage

$$V_{(BR)CBO}: -80 \text{ V}$$

Operating and storage junction temperature range

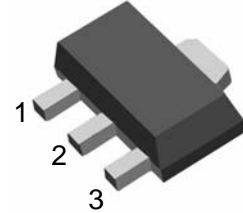
$$T_J, T_{stg}: -55°C \text{ to } +150°C$$

#### SOT-89

1. BASE

2. COLLECTOR

3. EMITTER



#### ELECTRICAL CHARACTERISTICS (Tamb=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	$I_{CBO}$	$V_{CB} = -60 \text{ V}, I_E = 0$		-1	$\mu A$
Emitter cut-off current	$I_{EBO}$	$V_{EB} = -4 \text{ V}, I_C = 0$		-1	$\mu A$
DC current gain	$h_{FE}$	$V_{CE} = -3V, I_C = -0.1A$	82	390	
Collector-emitter saturation voltage	$V_{CE(sat)}$	$I_C = -500 \text{ mA}, I_B = -50mA$		-0.4	V
Transition frequency	$f_T$	$V_{CE} = -5V, I_C = -50mA$ $f = 30MHz$	80		MHz

#### CLASSIFICATION OF $h_{FE}$

Rank	P	Q	R
Range	82-180	120-270	180-390

Marking	ZL
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