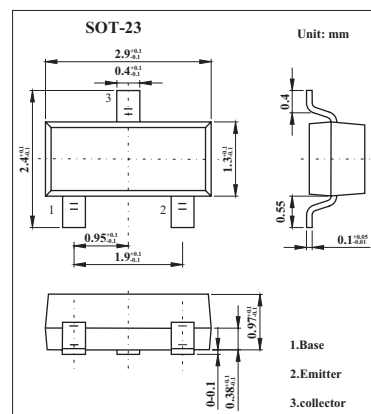


Silicon PNP Epitaxial

2SA1122

■ Features

- Low frequency amplifier

■ Absolute Maximum Ratings $T_a = 25^\circ\text{C}$

Parameter	Symbol	Rating	Unit
Collector to base voltage	V_{CBO}	-55	V
Collector to emitter voltage	V_{CEO}	-55	V
Emitter to base voltage	V_{EBO}	-5	V
Collector current	I_C	-100	mA
Collector power dissipation	P_C	150	mW
Junction temperature	T_j	150	$^\circ\text{C}$
Storage temperature	T_{stg}	-55 to +150	$^\circ\text{C}$

■ Electrical Characteristics $T_a = 25^\circ\text{C}$

Parameter	Symbol	Test conditions	Min	Typ	Max	Unit
Collector to base breakdown voltage	$V_{(BR)CBO}$	$I_C = -10\ \mu\text{A}, I_E = 0$	-55			V
Collector to emitter breakdown voltage	$V_{(BR)CEO}$	$I_C = -1\ \text{mA}, R_{BE} = \infty$	-55			V
Emitter to base breakdown voltage	$V_{(BR)EBO}$	$I_E = -10\ \mu\text{A}, I_C = 0$	-5			V
Collector cutoff current	I_{CBO}	$V_{CB} = -30\ \text{V}, I_E = 0$			-0.5	μA
Emitter cutoff current	I_{EBO}	$V_{EB} = -2\ \text{V}, I_C = 0$			-0.5	μA
DC current transfer ratio	h_{FE}	$V_{CE} = -12\ \text{V}, I_C = -2\ \text{mA}$	160		800	
Collector to emitter saturation voltage	$V_{CE(sat)}$	$I_C = -10\ \text{mA}, I_B = -1\ \text{mA}$			-0.5	V
Base to emitter voltage	V_{BE}	$V_{CE} = -12\ \text{V}, I_C = -2\ \text{mA}$			-0.75	V

■ h_{FE} Classification

Marking	CC	CD	CE
h_{FE}	160~320	250~500	400~800