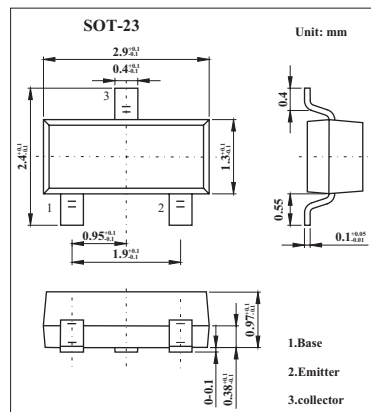


2SB831

■ Features

- Low frequency amplifier.



■ Absolute Maximum Ratings Ta = 25°C

Parameter	Symbol	Rating	Unit
Collector to base voltage	V _{CBO}	-25	V
Collector to emitter voltage	V _{CEO}	-20	V
Emitter to base voltage	V _{EBO}	-5	V
Collector current	I _C	-0.7	A
peak collector current	I _{CP}	1	A
Collector power dissipation	P _C	150	mW
Junction temperature	T _j	150	°C
Storage temperature	T _{stg}	-55 to +150	°C

■ Electrical Characteristics Ta = 25°C

Parameter	Symbol	Testconditons	Min	Typ	Max	Unit
Collector to base breakdown voltage	V _{(BR)CBO}	I _C = -10 μA, I _E = 0	-25			V
Collector to emitter breakdown voltage	V _{(BR)CEO}	I _C = -1 mA, R _{BE} = ∞	-20			V
Emitter to base breakdown voltage	V _{(BR)EBO}	I _E = -10 μA, I _C = 0	-5			V
Collector cutoff current	I _{CBO}	V _{CB} = -20 V, I _E = 0			-1	mA
DC current transfer ratio *	h _{FE}	V _{CE} = -1 V, I _C = -0.15 A	85		240	
Collector to emitter saturation voltage *	V _{CE(sat)}	I _C = -0.5 A, I _B = -0.05 A			-0.5	V
Base to emitter voltage *	V _{BE}	V _{CE} = -1 V, I _C = -0.15 A			-1	V

* Pulse test.

■ hFE Classification

Marking	BB	BC
hFE	85~170	120~240