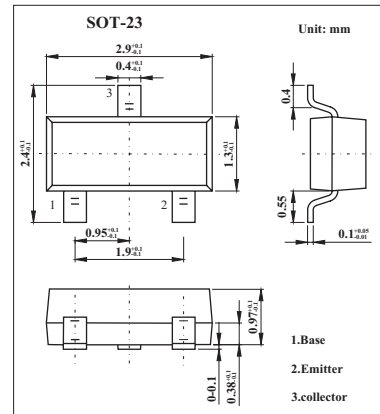


■ Features

- Low frequency amplifier.



■ Absolute Maximum Ratings Ta = 25°C

Parameter	Symbol	Rating	Unit
Collector-base voltage	V <sub>CB0</sub>	50	V
Collector-emitter voltage	V <sub>CEO</sub>	40	V
Emitter-base voltage	V <sub>EBO</sub>	5	V
Collector current	I <sub>C</sub>	100	mA
Collector dissipation	P <sub>C</sub>	150	mW
Junction temperature	T <sub>j</sub>	150	°C
Storage temperature	T <sub>stg</sub>	-55 to +150	°C

■ Electrical Characteristics Ta = 25°C

Parameter	Symbol	Testconditions	Min	Typ	Max	Unit
Collector-base breakdown voltage	V <sub>CB0</sub>	I <sub>C</sub> = 10μA , I <sub>E</sub> = 0	50			V
Collector-emitter breakdown voltage	V <sub>CEO</sub>	I <sub>C</sub> = 1mA , R <sub>BE</sub> = ∞	40			V
Emitter-base breakdown voltage	V <sub>EBO</sub>	I <sub>E</sub> = 10μA , I <sub>C</sub> = 0	5			V
Base-emitter voltage	V <sub>BE</sub>	V <sub>CE</sub> = 12V , I <sub>C</sub> = 2mA			0.75	V
Collector cutoff current	I <sub>CBO</sub>	V <sub>CB</sub> = 30V , I <sub>E</sub> =0			0.5	μ A
Emitter cutoff current	I <sub>EBO</sub>	V <sub>EB</sub> = 2V , I <sub>C</sub> =0			0.5	μ A
DC current gain	h <sub>FE</sub>	V <sub>CE</sub> = 12V , I <sub>C</sub> = 2mA	100		500	
Collector-emitter saturation voltage	V <sub>CE(sat)</sub>	I <sub>C</sub> = 10mA , I <sub>B</sub> = 1mA			0.2	V

■ hFE Classification

Marking	LB	LC	LD
Rank	B	C	D
hFE	100~200	160~320	250~500

■ Typical Characteristics

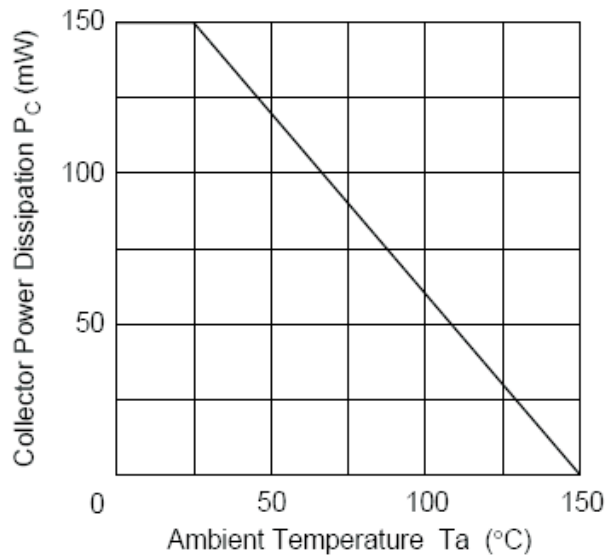


Fig.1 Maximum Collector Dissipation Curve