2SB0726 (2SB726)

Silicon PNP epitaxial planer type

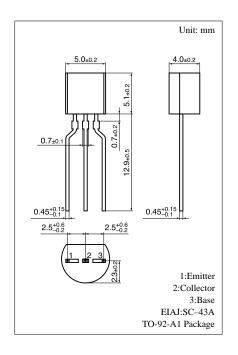
For general amplification

Features

- High foward current transfer ratio h_{FE}.
- High collector to emitter voltage V_{CEO}.

Absolute Maximum Ratings (Ta=25°C)

Parameter	Symbol	Ratings	Unit
Collector to base voltage	V_{CBO}	-80	V
Collector to emitter voltage	V_{CEO}	-80	V
Emitter to base voltage	V _{EBO}	-5	V
Collector current	I_{C}	-100	mA
Collector power dissipation	P_{C}	250	mW
Junction temperature	T_{j}	150	°C
Storage temperature	T_{stg}	−55 ~ +150	°C



Electrical Characteristics (Ta=25°C)

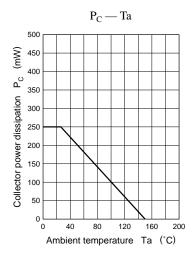
Parameter	Symbol	Conditions	min	typ	max	Unit
Collector cutoff current	I_{CBO}	$V_{CB} = -10V, I_E = 0$			-100	nA
	I_{CEO}	$V_{CE} = -10V, I_B = 0$			-1	μΑ
Collector to base voltage	V _{CBO}	$I_C = -10\mu A, I_E = 0$	-80			V
Collector to emitter voltage	V _{CEO}	$I_{C} = -2mA, I_{B} = 0$	-80			V
Emitter to base voltage	V _{EBO}	$I_E = -10\mu A, I_C = 0$	-5			V
Forward current transfer ratio	h _{FE} *	$V_{CB} = -5V, I_{E} = -2mA$	180		700	
Collector to emitter saturation voltage	V _{CE(sat)}	$I_{C} = -20 \text{mA}, I_{B} = -2 \text{mA}$			- 0.6	V
Base to emitter voltage	V _{BE}	$V_{CE} = -1V, I_{C} = -100 \text{mA}$		-1	-1.2	V
Transition frequency	f_T	$V_{CB} = -5V$, $I_E = 2mA$, $f = 200MHz$		150		MHz

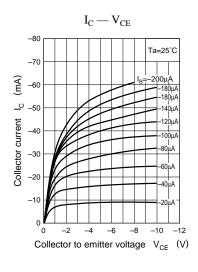
*h_{FE} Rank classification

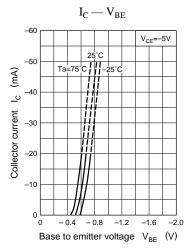
Rank	R	S	T
h _{FE}	180 ~ 360	260 ~ 520	360 ~ 700

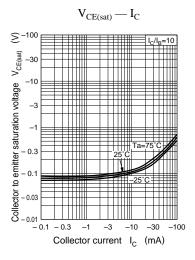
Note.) The Part number in the Parenthesis shows conventional part number.

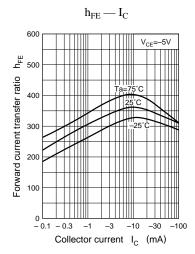
Transistor 2SB0726

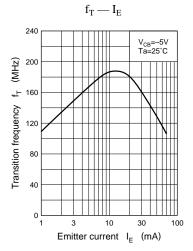


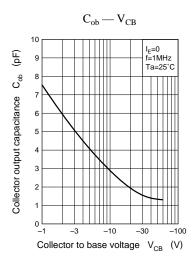












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