2SB0726 (2SB726)

Silicon PNP epitaxial planer type

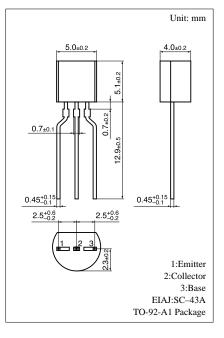
For general amplification

Features

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

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	Tj	150	°C		
Storage temperature	T _{stg}	-55 ~ +150	°C		

Absolute Maximum Ratings (Ta=25°C)



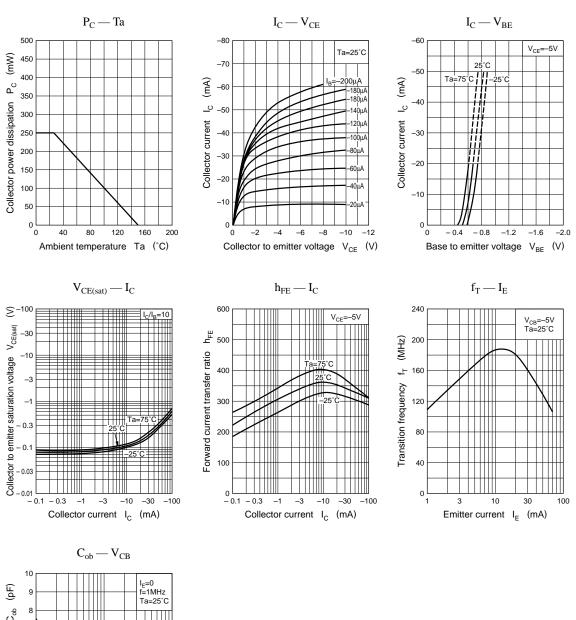
Electrical Characteristics (Ta=25°C)

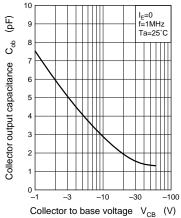
Parameter	Symbol	Conditions	min	typ	max	Unit
Collector cutoff current	I _{CBO}	$V_{CB} = -10V, I_E = 0$			-100	nA
	I _{CEO}	$V_{CE} = -10V, I_B = 0$			-1	μΑ
Collector to base voltage	V _{CBO}	$I_{\rm C} = -10 \mu A, I_{\rm E} = 0$	-80			V
Collector to emitter voltage	V _{CEO}	$I_C = -2mA, I_B = 0$	-80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

*hFE Rank classification

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

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





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