2SD2260

Silicon NPN triple diffusion planer type

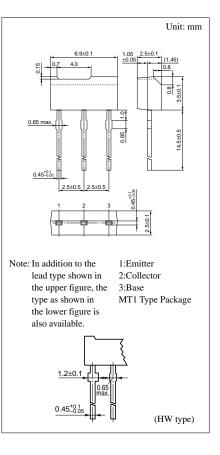
For high breakdown voltage general amplification

Features

- High collector breakdown voltage.
- Low collector to emitter saturation voltage V_{CE(sat)}.
- Allowing supply with the radial taping.

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Parameter	Symbol	Ratings	Unit
Collector to base voltage	V _{CBO}	400	V
Collector to emitter voltage	V _{CEO}	400	V
Emitter to base voltage	V_{EBO}	5	V
Peak collector current	I _{CP}	100	mA
Collector current	I _C	70	mA
Collector power dissipation	P _C	600	mW
Junction temperature	Tj	150	°C
Storage temperature	T _{stg}	-55 ~ +150	°C

Absolute Maximum Ratings (Ta=25°C)

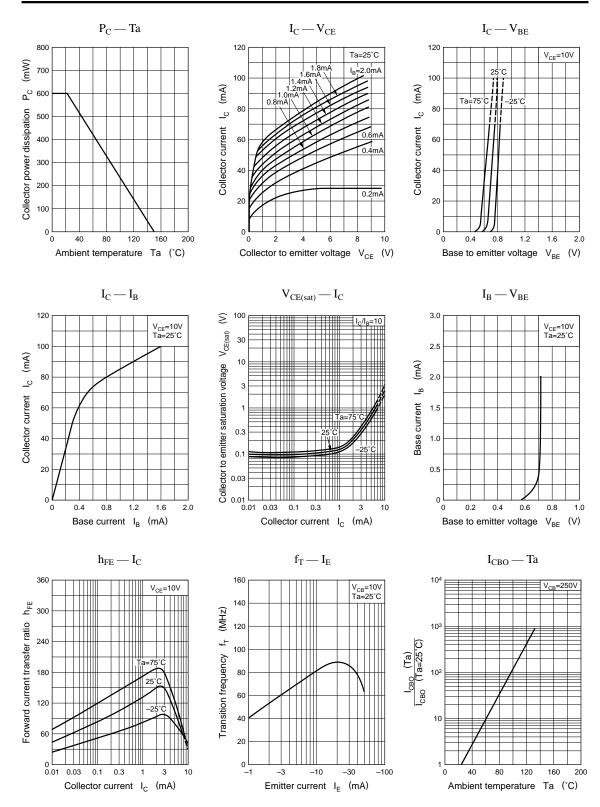


Electrical Characteristics (Ta=25°C)

Parameter	Symbol	Conditions	min	typ	max	Unit
Collector cutoff current	I _{CBO}	$V_{CB} = 100V, I_E = 0$			2	μΑ
	I _{CEO}	$V_{CE} = 100V, I_B = 0$			2	μΑ
Collector to emitter voltage	V _{CEO}	$I_{\rm C} = 100 \mu A, I_{\rm B} = 0$	400			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} *	$V_{CE} = 10V, I_C = 5mA$	60		220	
Collector to emitter saturation voltage	V _{CE(sat)}	$I_C = 50 \text{mA}, I_B = 5 \text{mA}$		0.4	1.2	V
Transition frequency	f _T	$V_{CB} = 10V, I_E = -10mA, f = 200MHz$	50	80		MHz
Collector output capacitance	C _{ob}	$V_{CB} = 10V, I_E = 0, f = 1MHz$		4	10	pF

*hFE Rank classification

Rank	Q	R
h _{FE}	60 ~ 150	100 ~ 220



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