2SC2925

Silicon NPN epitaxial planer type

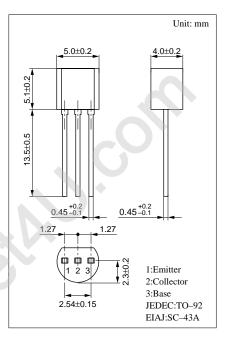
For low-frequency output amplification

Features

- High foward current transfer ratio h_{FE}. •
- Low collector to emitter saturation voltage V_{CE(sat)}.

	•		
Parameter	Symbol	Ratings	Unit
Collector to base voltage	V _{CBO}	60	V
Collector to emitter voltage	V _{CEO}	50	V
Emitter to base voltage	V _{EBO}	15	V
Peak collector current	I _{CP}	1.5	А
Collector current	I _C	0.7	Α
Collector power dissipation	P _C	750	mW
Junction temperature	Tj	150	°C
Storage temperature	T _{stg}	-55 ~ +150	°C

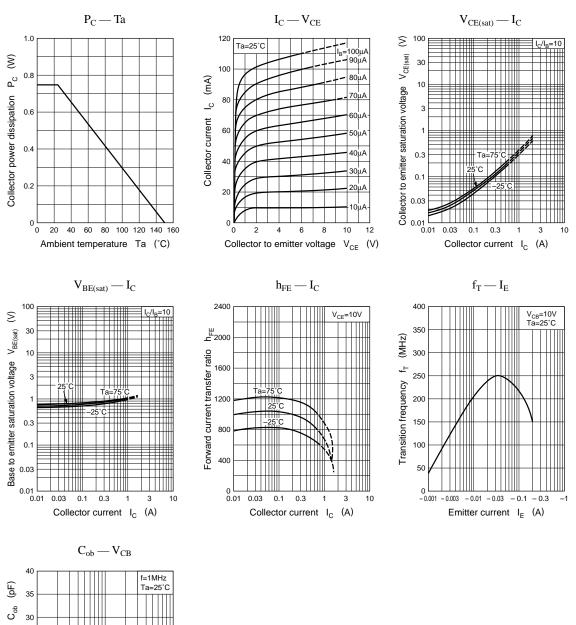
Absolute Maximum Ratings (Ta=25°C)

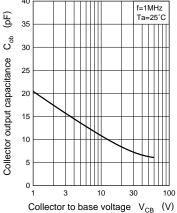


Electrical Characteristics (Ta=25°C)

Parameter		S	ymbol	Conditions	min	typ	max	Unit
Collector cutoff current		I _{CB}	0	$V_{CB} = 20V, I_E = 0$			1	μΑ
		I _{CE}	0	$V_{CE} = 20V, I_B = 0$			10	μΑ
Collector to	base voltage	V _{CI}	во	$I_{C} = 10 \mu A, I_{E} = 0$	60			V
Collector to	emitter voltage V _{CEO}		EO	$I_{C} = 1mA, I_{B} = 0$	50			V
Emitter to ba	Emitter to base voltage V _{EBO}		$I_{\rm E} = 10 \mu A$, $I_{\rm C} = 0$	15			V	
		h _{FE}	*	$V_{CE} = 10V, I_{C} = 150mA$	400	1000	2000	
Collector to emitter saturation voltage V _{CE(sat)}		E(sat)	$I_{C} = 500 \text{mA}, I_{B} = 50 \text{mA}$		0.15	0.4	v	
Transition fr	Transition frequency f _T			$V_{CB} = 10V, I_E = -10mA, f = 200MHz$		200		MHz
Collector output capacitance C _{ob}								
		Cob	,	$V_{CB} = 10V, I_E = 0, f = 1MHz$		11	15	◆ pF
	tput capacitance assification R	C _{ob}	, T	$V_{CB} = 10V, I_E = 0, f = 1MHz$		11	15 2 2	◆ pF
h _{FE} Rank cl	assification R			$V_{CB} = 10V, I_E = 0, f = 1MHz$	0	11	15	◆ pF
h _{FE} Rank cla Rank	assification R	S	Т	$V_{CB} = 10V, I_E = 0, f = 1MHz$	×0	ner	15	◆ pF
h _{FE} Rank cla Rank	assification R	S	Т	$V_{CB} = 10V, I_E = 0, f = 1MHz$	210	ii She	15	* pF
h _{FE} Rank cla Rank	assification R	S	Т		210	in	15	∲ pF

Rank	R	S	Т
$h_{\rm FE}$	400 ~ 800	600 ~ 1200	1000 ~ 2000





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