# 2SC2925

### Silicon NPN epitaxial planer type

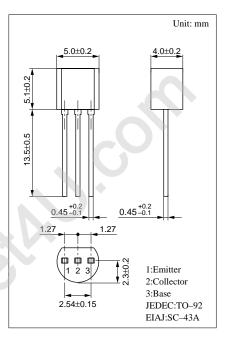
For low-frequency output amplification

#### Features

- High foward current transfer ratio h<sub>FE</sub>. •
- Low collector to emitter saturation voltage V<sub>CE(sat)</sub>.

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

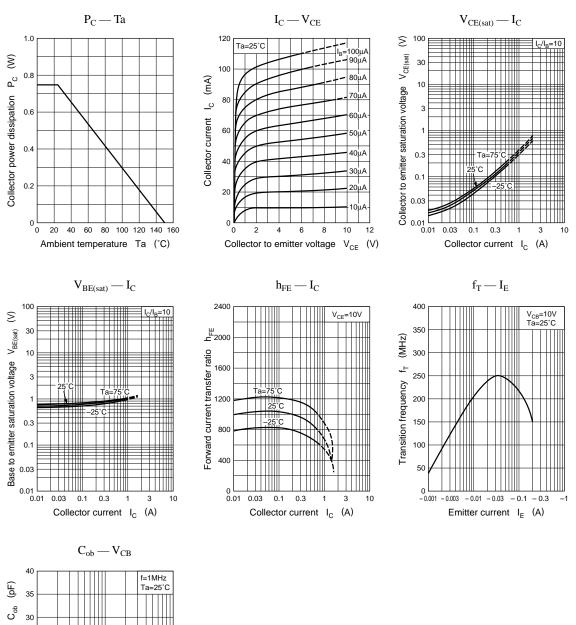
#### Absolute Maximum Ratings (Ta=25°C)

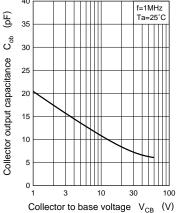


#### Electrical Characteristics (Ta=25°C)

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

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





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