2SC2925

Silicon NPN epitaxial planer type

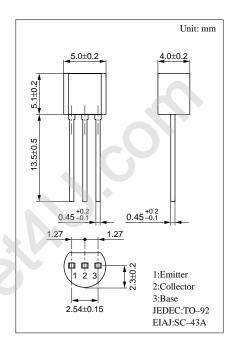
For low-frequency output amplification

Features

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

Absolute Maximum Ratings (Ta=25°C)

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	A	
Collector current	I_{C}	0.7	A	
Collector power dissipation	P_{C}	750	mW	
Junction temperature	T_{j}	150	°C	
Storage temperature	$T_{\rm stg}$	−55 ~ +150	°C	



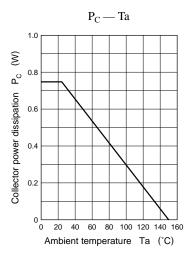
Electrical Characteristics (Ta=25°C)

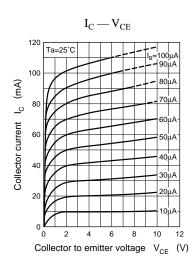
Parameter		Symbol		Conditions	min	typ	max	Unit	
Collector cutoff current		I _{CBO} V		$V_{CB} = 20V, I_E = 0$			1	μА	
		I _{CEO}		$V_{CE} = 20V, I_B = 0$			10	μА	
Collector to	Collector to base voltage		V_{CBO}		$I_{\rm C} = 10 \mu A, I_{\rm E} = 0$	60			V
Collector to	Collector to emitter voltage		V_{CEO}		$I_{C} = 1 \text{mA}, I_{B} = 0$	50			V
Emitter to b	Emitter to base voltage		V_{EBO}		$I_{\rm E} = 10 \mu A, I_{\rm C} = 0$	15			V
Forward cur	Forward current transfer ratio		h _{FE} *		$V_{CE} = 10V, I_{C} = 150mA$	400	1000	2000	
Collector to e	Collector to emitter saturation voltage		V _{CE}	E(sat)	$I_C = 500 \text{mA}, I_B = 50 \text{mA}$		0.15	0.4	V
Transition fi	Transition frequency		f_T		$V_{CB} = 10V, I_E = -10mA, f = 200MHz$		200		MHz
Collector ou	Collector output capacitance		C_{ob}		$V_{CB} = 10V, I_E = 0, f = 1MHz$		11	15	• pF
*h _{FE} Rank cl	lassification R	S		T	_		No	0	
h _{FE}	400 ~ 800	600 ~ 1	1200 1000 ~ 2000		000	. 03	O `		
					V _{CB} = 10V, I _E = 0, f = 1MHz)giro			
Panasonic								1	

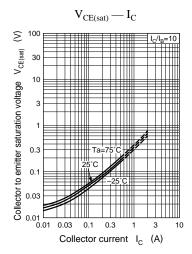
*h_{FE} Rank classification

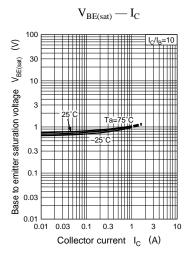
Rank	R	S	T
h_{FE}	400 ~ 800	600 ~ 1200	1000 ~ 2000

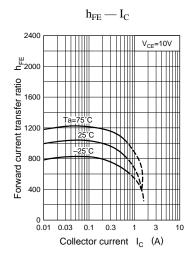
Transistor 2SC2925

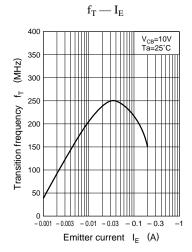


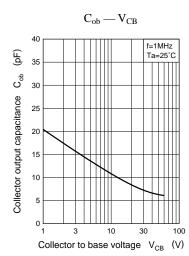












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