25B\$440共应商

Silicon PNP epitaxial planer type

For low-frequency output amplification Complementary to 2SD2185

Features

- Low collector to emitter saturation voltage V_{CE(sat)}.
- Mini Power type package, allowing downsizing of the equipment and automatic insertion through the tape packing and the magazine packing.

Absolute Maximum Ratings (Ta=25°C)

Parameter	Symbol	Ratings	Unit
Collector to base voltage	V_{CBO}	-50	V
Collector to emitter voltage	V_{CEO}	-50	V
Emitter to base voltage	$V_{\rm EBO}$	-5	V
Peak collector current	I_{CP}	-3	A
Collector current	I_{C}	-2	A
Collector power dissipation	P_{C}	1*	W
Junction temperature	T_{j}	150	°C
Storage temperature	$T_{\rm stg}$	−55 ~ +150	°C

^{*} Printed circuit board: Copper foil area of 1cm² or more, and the board thickness of 1.7mm for the collector portion

Unit: mm 4.5±0.1 1.6±0.2 4.5±0.1 1.5

Marking symbol: 11

Electrical Characteristics (Ta=25°C)

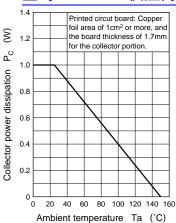
Parameter	Symbol	Conditions	min	typ	max	Unit
Collector to base voltage	V _{CBO}	$I_{\rm C} = -10 \mu {\rm A}, I_{\rm E} = 0$	-50			V
Collector to emitter voltage	V _{CEO}	$I_{C} = -1 \text{mA}, I_{B} = 0$	-50			V
Emitter to base voltage	V _{EBO}	$I_{\rm E} = -10 \mu {\rm A}, I_{\rm C} = 0$	-5			V
	h _{FE1} *	$V_{CE} = -2V, I_{C} = -200mA$	120		340	
Forward current transfer ratio	h _{FE2}	$V_{CE} = -2V, I_{C} = -1A$	60			
Collector to emitter saturation voltage	V _{CE(sat)}	$I_C = -1A, I_B = -50mA$		- 0.2	- 0.3	V
Base to emitter saturation voltage	V _{BE(sat)}	$I_C = -1A, I_B = -50mA$		- 0.85	-1.2	V
Transition frequency	f_T	$V_{CB} = -10V$, $I_{E} = 50$ mA, $f = 200$ MHz		80		MHz
Collector output capacitance	C _{ob}	$V_{CB} = -10V$, $I_{E} = 0$, $f = 1MHz$		45	60	pF

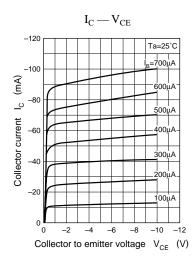
*h_{FE1} Rank classification

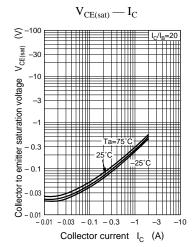
Rank	R	S
h _{FE1}	120 ~ 240	170 ~ 340

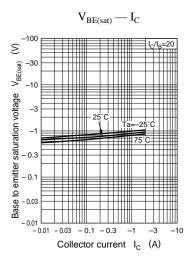
Transistor 2SB1440

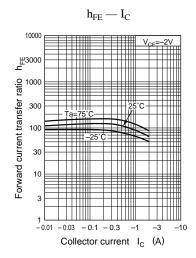
查询"2SBPL440PQ"供应商

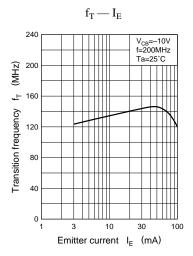


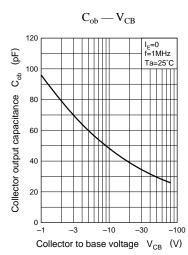












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