2SB0956

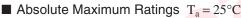
Silicon PNP epitaxial planar type

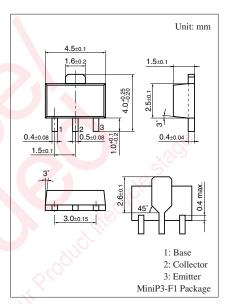
For low-frequency output amplification Complementary to 2SD1280

Features

- \bullet Large collector power dissipation $P_{\rm C}$
- \bullet Low collector-emitter saturation voltage $V_{\mbox{CE(sat)}}$
- Mini Power type package, allowing downsizing of the equipment and automatic insertion through the tape packing and the magazine packing.

Absolute Maximum Ratings $T_a = 25^{\circ}C$						
Symbol	Rating	Unit				
V _{CBO}	-20	v				
V _{CEO}	-20	V				
V _{EBO}	-5	V				
I _C	-1	A				
I _{CP}	-2	А				
P _C	1	WO				
Тј	150	< °C				
T _{stg}	-55 to +150	≥ °C ¢				
	Symbol V _{CBO} V _{CEO} V _{EBO} I _C I _C P _C T _j	$\begin{tabular}{ c c c c } \hline x where x is the second second$				





Marking Symbol: H

Note) *: Print circuit board: Copper foil area of 1 cm² or more, and the board thickness of 1.7 mm for the collector portion

Electrical Characteristics $T_a = 25^{\circ}C \pm 3^{\circ}C$

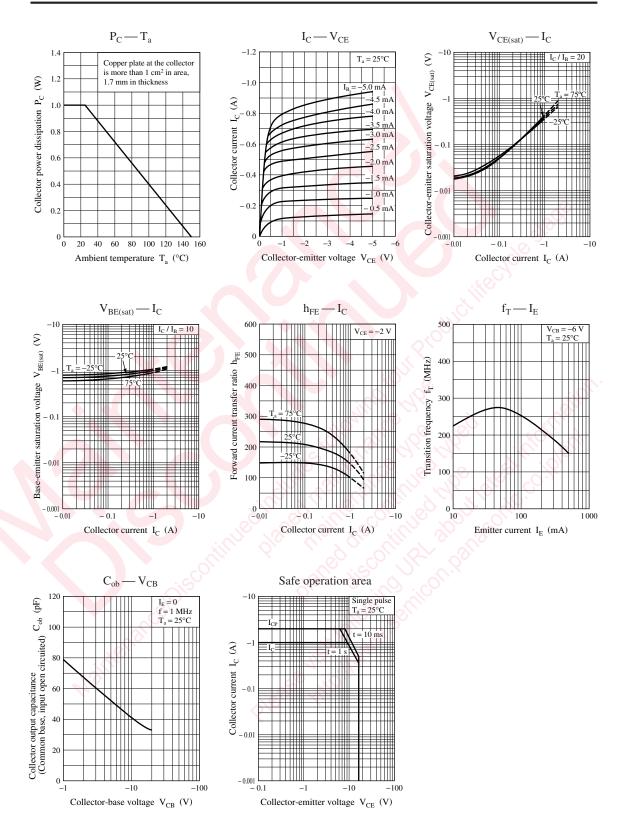
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Collector-emitter voltage (Base open)	V _{CEO}	$I_{\rm C} = -1 {\rm mA}, I_{\rm B} = 0$	-20			V
Emiter-base voltage (Collector open)	V _{EBO}	$I_{\rm E} = -10 \ \mu A, I_{\rm C} = 0$	-5			V
Collector-base cutoff current (Emitter open)	I _{CBO}	$V_{CB} = -10 \text{ V}, I_E = 0$			-1	μΑ
Forward current transfer ratio *1	h _{FE1} *2	$V_{CE} = -2 \text{ V}, I_{C} = -500 \text{ mA}$	130		280	
×SC	h _{FE2}	$V_{CE} = -2 V, I_C = -1.5 A$	50			
Collector-emitter saturation voltage *1	V _{CE(sat)}	$I_{\rm C} = -1$ A, $I_{\rm B} = -50$ mA			- 0.5	V
Base-emitter saturation voltage *1	V _{BE(sat)}	$I_{\rm C} = -500 \text{ mA}, I_{\rm B} = -50 \text{ mA}$			-1.2	V
Transition frequency	f _T	$V_{CB} = -6$ V, $I_E = 50$ mA, $f = 200$ MHz		200		MHz
Collector output capacitance	C _{ob}	$V_{CB} = -6 V, I_E = 0, f = 1 MHz$		40		pF
(Common base, input open circuited)						

Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7030 measuring methods for transistors.

2. *1: Pulse measurement

*2: Rank classification						
Rank	R	S				
h _{FE1}	130 to 210	180 to 280				

Panasonic



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