查询2SB0946供应商 Power Transistors

捷多邦,专业PCB打样工厂,24小时加急

2SB0946 (2SB946)

Silicon PNP epitaxial planar type

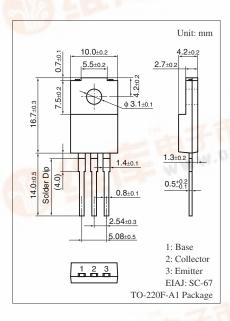
For power switching Complementary to 2SD1271

Features

- Low collector-emitter saturation voltage $V_{CE(sat)}$
- \bullet Satisfactory linearity of forward current transfer ratio h_{FE}
- \bullet Large collector current $I_{\rm C}$
- Full-pack package which can be installed to the heat sink with one screw

Parameter	Symbol	Rating	Unit				
Collector-base voltage (Emitter open)	V _{CBO}	-130	V				
Collector-emitter voltage (Base open)	V _{CEO}	-80	V				
Emitter-base voltage (Collector open)	V _{EBO}	-7	V				
Collector current	I _C	-7	А				
Peak collector current	I _{CP}	-15	А				
Collector power	P _C	40	W				
dissipation $T_a = 25^{\circ}C$	1	2					
Junction temperature	Tj	150	°C				
Storage temperature	T _{stg}	-55 to +150	°C				
		and the second sec	1.				

Absolute Maximum Ratings $T_C = 25^{\circ}C$



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

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Collector-emitter voltage (Base open)	V _{CEO}	$I_{\rm C} = -10 \text{ mA}, I_{\rm B} = 0$	-80			V
Collector-base cutoff current (Emitter open)	I _{CBO}	$V_{CB} = -100 \text{ V}, I_E = 0$			-10	μA
Emitter-base cutoff current (Collector open)	I _{EBO}	$V_{EB} = -5 V, I_C = 0$			-50	μΑ
Forward current transfer ratio	h _{FE1}	$V_{CE} = -2 V, I_C = -0.1 A$	45	Ter	37	Servi-
	h _{FE2} *	$V_{CE} = -2 V, I_C = -3 A$	60		260	
Collector-emitter saturation voltage	V _{CE(sat)}	$I_{\rm C} = -5 \text{ A}, I_{\rm B} = -0.25 \text{ A}$			- 0.5	V
Base-emitter saturation voltage	V _{BE(sat)}	$I_{\rm C} = -5$ A, $I_{\rm B} = -0.25$ A			-1.5	V
Transition frequency	f _T	$V_{CE} = -10 \text{ V}, I_C = -0.5 \text{ A}, f = 10 \text{ MHz}$		30		MHz
Turn-on time	t _{on}	$I_{C} = -3 \text{ A}, I_{B1} = -0.3 \text{ A}, I_{B2} = 0.3 \text{ A}$		0.5		μs
Storage time	t _{stg}	$V_{\rm CC} = -50 \text{ V}$		1.5		μs
Fall time	t _f			0.1		μs

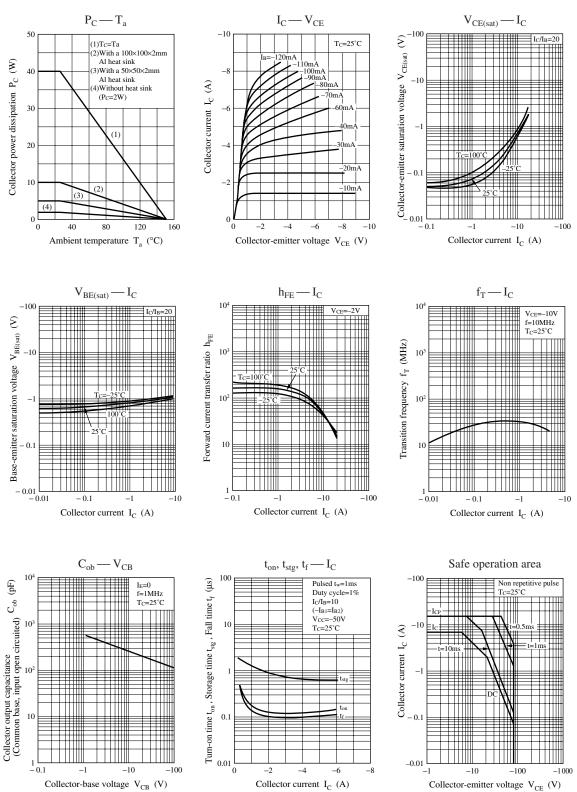
Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7030 measuring methods for transistors.

2. *: Rank classification

	Rank	R	Q	Р
10 战 📆	PD h _{FE2}	60 to 120	90 to 180	130 to 260
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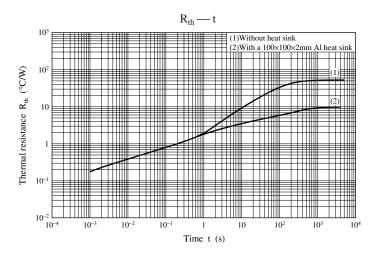
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Collector-base voltage V_{CB} (V)

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